

## Section 9842 – Orange County

### ACP 5



Orange County Coastline with Ecologically Sensitive Sites Indicated

## Section 9842 – Orange County

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## 9842.1 Environmentally Sensitive Sites – Orange County

The purpose of this section is to provide background, definitions, and philosophy behind the Site Summary and Strategy Sheets in ACP Section 9800. Both Federal and State laws require that sites having special ecological sensitivity be identified and provisions be made to protect or otherwise mitigate for the site impacts from spills. In California these locations are termed “Sensitive Sites”. A narrative and diagram of each site with specific ecological and operational information has been developed.

The development of specific protection strategies to meet the site specific needs was conducted using a standardized protocol to ensure consistency for California’s entire coast. The process of site visits, training exercises, and discussions allows trustees and response experts to exchange concerns and feasibility limitations in forming protection strategies. Using this approach, the local area committee incorporates input of State and Federal trustees, and stakeholders (industry, spill response co-ops and contractors, non-governmental environmental groups, and other agencies) to form consensus on the appropriate site protection strategies and response resources. The committee will revise strategies based on new knowledge and to adapt to changing conditions. This information is updated and maintained by the Department of Fish and Game, OSPR, in the Site Information and Spill Response Strategy (SISRS) database. The sensitive site ACP pages included in Section 9842.1 are produced from the SISRS database, and the database always has the most current information available for sensitive sites.

The environmental sensitivity differs by location or season depending on conditions or the presence of species. A ranking index was developed in order to identify the relative protection priority of sites. These ranks define the environmental sensitivity of the area and its resources at risk. Accordingly each site is ranked A, B, or C based on the following definitions:

**Category A - Extremely Sensitive** - first priority for protection:

Wetlands, estuaries and lagoons with emergent vegetation (marsh-riparian ESI 10) Sheltered tidal flat (ESI 9); and Habitats for rare, threatened or endangered species (State or Federal); Sites of significant concentrations of vulnerable and sensitive species (e.g. pinniped pupping)

**Category B - Very Sensitive** - second priority for protection

Major pinniped haulout areas during non-pupping seasons; Moderate concentrations of vulnerable and sensitive species; other low energy habitats (ESI types 8A, 8B, 7 and 6B)

**Category C - Sensitive** - third priority for protection

Higher energy habitats (ESI 6A through 1) for example: *Habitats important to large numbers of species of sport, commercial value, and scientific interest or species experiencing significant population declines though not yet threatened.*

In addition to the environmental narratives shown on the Site Summary page, a Site Strategy narrative provides information on protection strategies, recommended resources, and site logistical and access information. These Site Strategies are intended as guidelines to assist responders during the initial hours of a spill response. The intent of the site strategies is to provide initial recommendations to protect the site until actual conditions and needs at sensitive sites can be determined to provide appropriately modified strategies. In other words, strategies presented here are flexible and may require modification in real response situations.

The strategies provided here are the best available response options for foreseeable typical wind and current conditions at the respective sites. Those conditions may not prevail at the time of the spill. Responders and planners may need to adjust strategies to meet the needs presented by prevailing conditions; following the initial emergency response many sites may have alternative strategies to accommodate differences in conditions.

This section provides detailed information on Environmentally Sensitive Sites in Orange County. Each site is described on multiple pages: Site Summary, Site Strategy, and Diagram. The Site Summary page provides a brief description of the site including location, access, specific concerns, agency contacts, etc. The Site Strategy page provides specific information on response strategies to be implemented to protect the site from marine oil spills. The diagram page shows the protection strategies, topography and roads.

Some sites have more than one protection strategy. These additional strategies may be used as back-ups to the primary protection strategy or as alternatives to accommodate prevailing conditions. It should be understood that the described strategies are intended as initial protection strategies for the first 24 hours of a spill. Additional or modified protection measures should also be considered.



**Index Map – Orange County Environmentally Sensitive Sites**

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County: **Orange Co.** Thomas Guide Location: 826 G5 ACP Division: OR-A Latitude N Longitude W  
 USGS Quad: **Seal Beach** NOAA Chart: **18749** Decimal Minutes: 33 44.1 118 05.2  
 Decimal Degrees: 33.731300 -118.081100

Last Page Update : 3/10/2008
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**SITE DESCRIPTION:**

One of the most extensive and valuable wetlands in Orange County. Coastal lagoon, with extensive wetlands and marsh. Opening of bay has been channelized and lined with riprap, but inside bay past the Hwy1/Pacific Coast Highway bridge are extensive wetlands.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon and wetlands complex.

California Least Tern (Federal and State endangered species), Snowy Plover (foraging area) (Federal endangered species), California Brown Pelican (Federal and State endangered species), Light-footed Clapper Rail (Federal and State endangered species), Peregrine Falcon (State endangered species), Belding's Savannah Sparrow (State endangered species), Black Skimmer, waterfowl, shorebirds, and seabirds.

Juvenile finfish - nursery grounds.

Intertidal mudflat.

Salt Marsh Bird's Beak (Federal and State endangered species) and Eel Grass.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
T		Seal Beach National Wildlife Refuge	(562) 598-1024
O		Orange County Harbor Patrol (24 hr)	(949) 723-1002
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
TE		USN Dispatch - NWSSB (after hours)	(562) 626-7229
TE		U.S. Navy Environmental Office (M-F 730am-4pm)	(562) 626-7776
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-310 -A Site Strategy - Anaheim Bay (Seal Beach National Wildlife Refuge)****5-310 -A**

County: **Orange Co.** Thomas Guide Location: 826 G5 ACP Division: OR-A Latitude N Longitude W  
USGS Quad: **Seal Beach** NOAA Chart: **18749** Decimal Minutes: 33 44.1 118 05.2  
Decimal Degrees: 33.731300 -118.081100

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:**

The Navy may impose security restrictions in the event of a spill. This could effectively close off a portion of Anaheim Bay and deployment of the preferred strategies. Strategies 5-310.1, 5-310.2, and 5-310.3 could be delayed until the Navy reopens this area to responders. If the Navy closes this area, alternative strategies 5-310.4, 5-310.5, and 5-310.6 will have to be deployed. Watch weather and sea conditions.

**SITE STRATEGIES**

Strategy 5-310.1 Objective: Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use deflection boom to deflect oil to the east beach fronts.

Strategy 5-310.2 Objective: Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use deflection boom at entrances to deflect oil to the north and south beach fronts.

Strategy 5-310.3 Objective: Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use deflection boom at entrances to bay to deflect oil to collection points.

Strategy 5-310.4 Objective: Navy Security Alternative. Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use this strategy if the origin of the spill is offshore. Towed boom array using OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Strategy 5-310.5 Objective: Navy Security Alternative. Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use this strategy if the origin of the spill is from the secure area. Use a single stretch of 24" boom from the northeast corner of the PCH bridge to the small beach/mudflat next to the Simple Green building.

Strategy 5-310.6 Objective: Navy Security Alternative. Exclusion of oil entry to Seal Beach National Wildlife Refuge.

Use this strategy if the origin of the spill is from the secure area. Use a single stretch of 18" boom to line the inlets to Anaheim Bay.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-310.1	1500	0	0	0	4	Danforth 40 lb	1	0			0			4	
5-310.2	3100	0	0	0	5	Danforth 40 lb	1	0			0			4	
5-310.3	750	0	0	0	0		1	0			0			4	
5-310.4	0	0	1500 Ocea	0	0		4	0			0			4	
5-310.5	5000	0	0	0	8	Danforth 40 lb	2	2			2	Stakes		4	
5-310.6	0	6000	0	0	8	Danforth 40 lb	2	2			8	Stakes		4	

**LOGISTICS****DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launches available in Huntington Harbor. From Bolsa Chica St. in Huntington Beach, go west on Edinger Ave. until it ends at Sunrise Aquatic Park. Additional launching at PCH and Warner Ave. (next to Huntington Beach Fire Station No. 7).

**LAND ACCESS:** Land access on the Seal Beach Naval Weapons Station (SBNWS).

**WATER LOGISTICS:** Shallow water and strong currents. Heavy small boat traffic.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

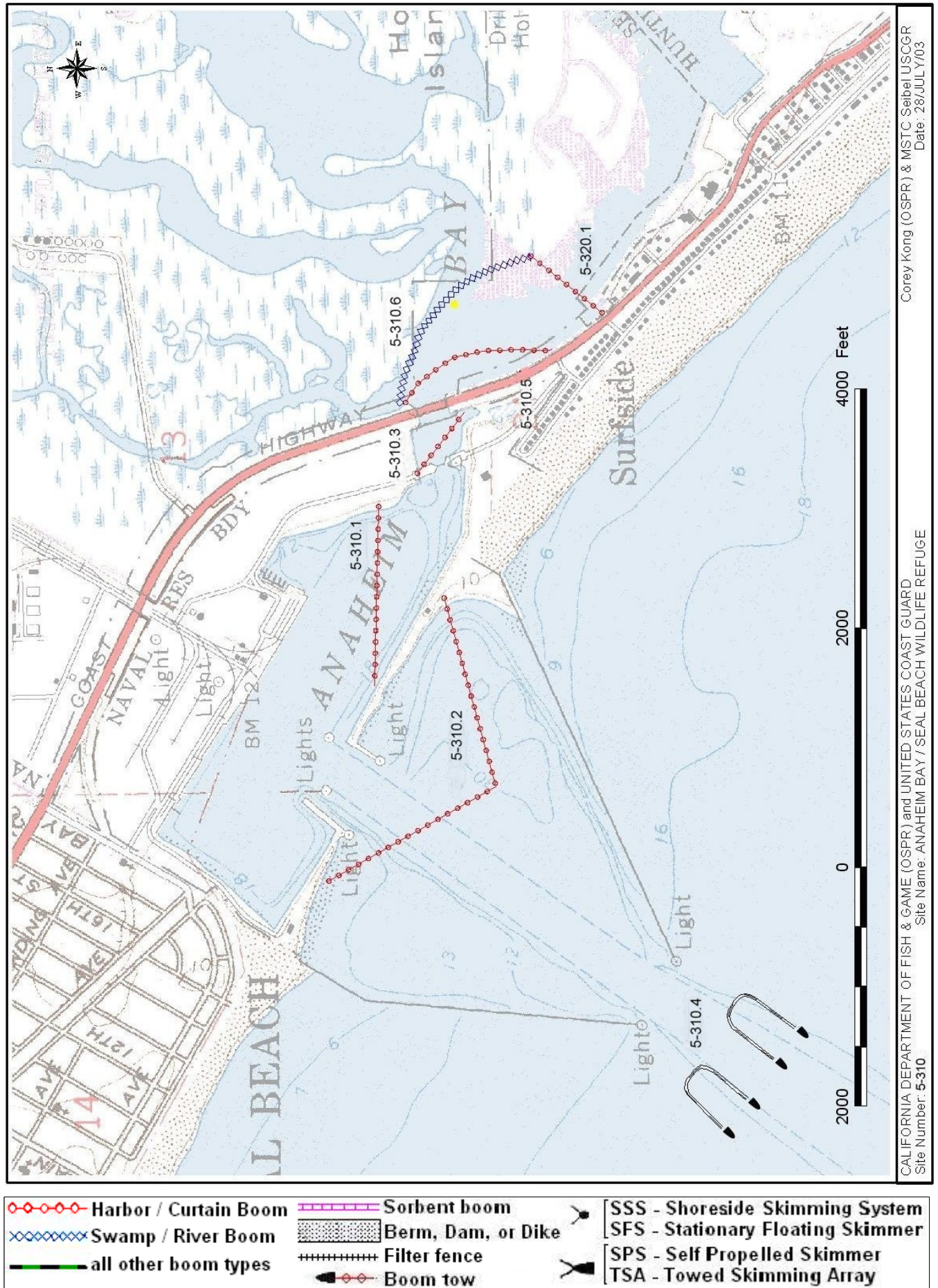
Marine Spill Response Corporation has pre-staged 8,950 ft of boom located throughout the SBNWS. Both boat launch locations have adequate space for parking and staging.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

Contact the Commanding Officer (CO) at the SBNWS for deployment of pre-staged boom across the channel in the event of impact. Primary boom placement is under the control of the SBNWS CO.





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County:	<b>Orange Co.</b>	Thomas Guide Location:	857 B1	ACP Division:	OR-A	Latitude N	33 42.0	Longitude W	118 03.1
USGS Quad:	<b>Seal Beach</b>	NOAA Chart:	<b>18746</b>	Decimal Minutes:		Decimal Degrees:	33.708400	-118.057200	

Last Page Update :	3/10/2008
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**SITE DESCRIPTION:**

Coastal lagoon and wetlands complex (actually an extension of Anaheim Bay). Extensive oil field production at the southern portion of the wetland. Currently no direct connection to the ocean.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon and wetlands complex (actually an extension of Anaheim Bay).

California Least Tern (Federal and State endangered species), Snowy Plover (nesting inside the non-intertidal area, foraging at the beach) (Federal endangered species), California Brown Pelican (Federal and State endangered species), Peregrine Falcon (State endangered species), Belding's Savannah Sparrow (State endangered species), Black Skimmer, seabirds, shorebirds, and waterfowl.

Salt Marsh Harvest Mouse (Federal and State endangered species).

Juvenile finfish.

Intertidal mudflat.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Orange County Harbor Patrol (24 hr)	(949) 723-1002
O		Huntington Beach Police Dept. (24 hr)	(714) 536-5333
O		Huntington Beach Fire Dept. (24 hr)	(714) 536-2501
O		Huntington Beach Lifeguards	(714) 536-2581
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Bolsa Chica Conservancy	(714) 846-1114
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Jeff Stoddard Reserve Manager	Calif. Dept. of Fish and Game Reg 5	(949) 640-9961

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-320 -A Site Strategy - Inner Bolsa Chica****5-320 -A**

County: **Orange Co.** Thomas Guide Location: **857 B1** ACP Division: **OR-A** Latitude N Longitude W  
USGS Quad: **Seal Beach** NOAA Chart: **18746** Decimal Minutes: **33 42.0** **118 03.1**  
Decimal Degrees: **33.708400 -118.057200**

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**

Strategy 5-320.1 Objective: Exclusion of oil entry to wetland.

Deflection booms in Huntington Harbor. Collection using skimmers and vacuum trucks.

Strategy 5-320.2 Objective: Exclusion of oil entry to wetland.

Exclusion boom(s) at Warner Ave. bridge.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-320.1	2000				4	Danforth 40 lb	1	0			0			4	
5-320.2	300				0		1	0			0			4	

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launches available in Huntington Harbor. From Bolsa Chica St. in Huntington Beach, go west on Edinger Ave. until it ends at Sunrise Aquatic Park. Additional launching at PCH and Warner Ave. (next to Huntington Beach Fire Station No. 7).

**LAND ACCESS:** Parking lot for Ecological Reserve at PCH and Warner Ave.

**WATER LOGISTICS:** Shallow water and strong currents.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

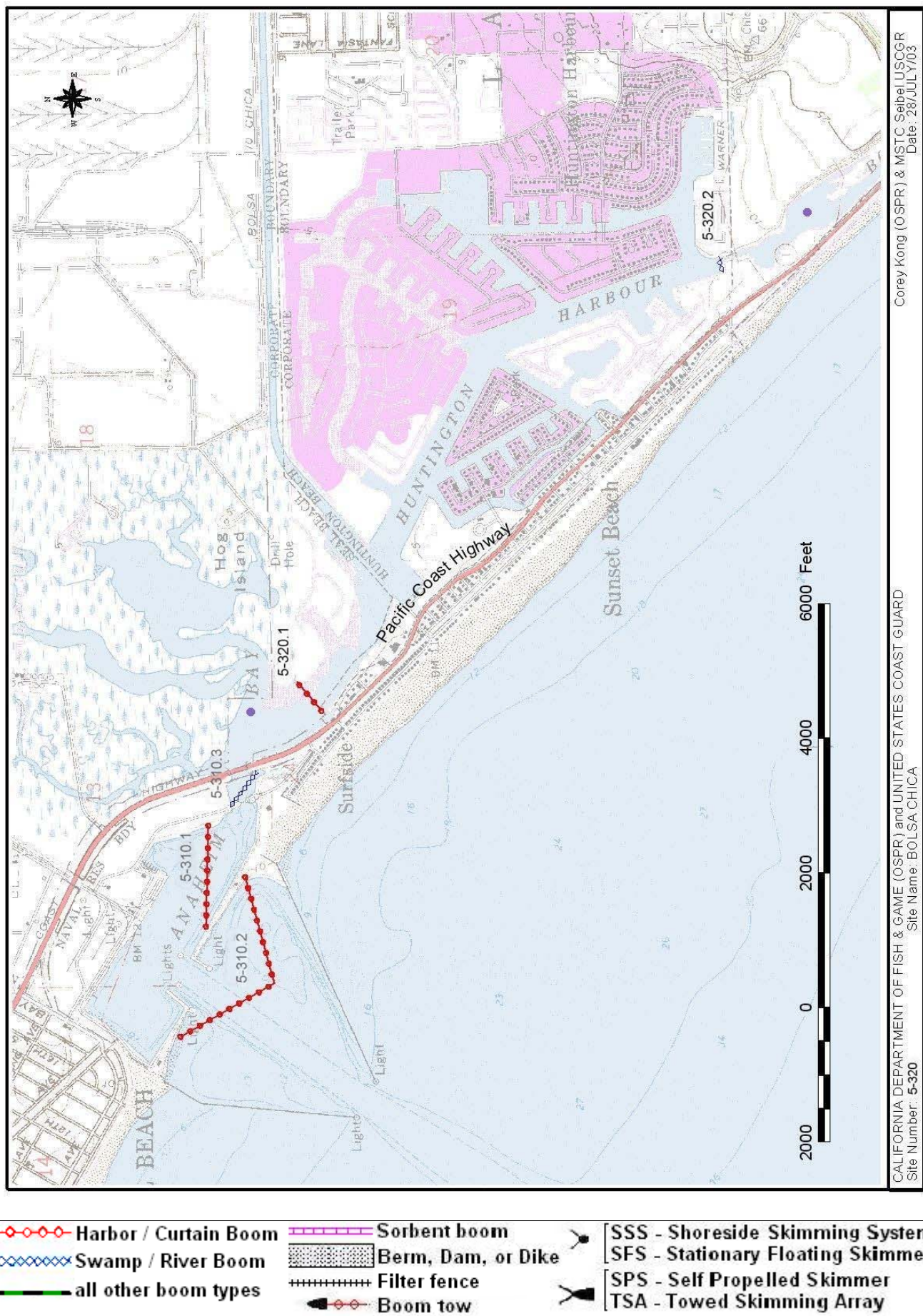
Pre-staged booms at Naval Weapons Station and Huntington Harbor are available. Also see site sheet for Anaheim bay; an additional 2000 feet of harbor boom will be needed. Both boat launching locations have adequate space for parking and staging. Additional parking and staging at the Bolsa Chica Ecological Reserve Interpretive Center at 3842 Warner Ave.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

If the origin of the spill is offshore, strategies for site 5-310 will have to be deployed also.





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County:	<b>Orange Co.</b>	Thomas Guide Location:	<b>857 E5</b>	ACP Division:	<b>OR-A</b>	Latitude N	<b>33 41.006</b>	Longitude W	<b>118 02.156</b>
USGS Quad:	<b>Seal Beach</b>	NOAA Chart:	<b>18746</b>	Decimal Minutes:		Decimal Degrees:	<b>33.683440</b>		<b>-118.035930</b>

Last Page Update :	3/10/2008
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**SITE DESCRIPTION:**

Restored (2006) coastal lagoon and wetlands complex. Completely surrounded by a levee with road. Extensive oil field production at the eastern portion of the wetland. There is no connection by water to the Inner Bolsa Chica (5-320A) sensitive site.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year. Western Levee Road will have limited access during nesting season (April - September) and will require biological consultation before access during this period.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon and wetlands complex.

California Least Tern (Federal and State endangered species), Snowy Plover (Federal endangered species) (both species nesting at man-made nesting islands), California Brown Pelican (Federal and State endangered species), Belding's Savannah Sparrow (State endangered species), seabirds, shorebirds, and waterfowl.

40 - 60 Species of finfish are expected to utilize basin.

Intertidal mudflat.

Pickleweed, Cord grass, Eel Grass

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
O		Huntington Beach Police Dept. (24 hr)	(714) 536-5333
O		Huntington Beach Fire Dept. (24 hr)	(714) 536-2501
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
E	Response Planner	Aera Energy	(661) 978-5652
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
E	Environmental Advisor	Aera Energy	(714) 969-4396
E	Safety Advisor	Aera Energy	(714) 969-3272
E	Emergency Contact	Aera Energy (24 hr)	(800) 247-5977
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Kelly O'Reilly Associate Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7187
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-325 -A Site Strategy - Bolsa Chica - Restored Wetlands****5-325 -A**

County: **Orange Co.** Thomas Guide Location: **857 E5** ACP Division: **OR-A** Latitude N: **33 41.006** Longitude W: **118 02.156**  
USGS Quad: **Seal Beach** NOAA Chart: **18746** Decimal Minutes: **33.683440** Decimal Degrees: **-118.035930**

Last Page Update : 3/10/2008

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation and mudflats. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:**

Watch weather and sea conditions such as high energy wave action at the wetland entrance. Watch for shallow sandbars at the wetland entrance and entry channel to the east of the inner bridge. Tidal currents can be strong and dangerous in the entry channel and throughout the wetland. Loose rip-rap may be a hazard for shoreline activities.

**SITE STRATEGIES**

Strategy 5-325.1 Objective: Exclusion of oil entry to wetland.

Towed boom arrays using OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-325.1	0	0	1500 Ocea	0	0		4	0		0					4

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Pacific Coast Highway in Huntington Beach, access through Bolsa Chica State Beach or access through Aera Energy one block east of Pacific Coast Highway off Seapoint Dr.

**LAND ACCESS:** Parking lot at Bolsa Chica State Beach for oceanside of inlet. Access through Aera Energy for wetland side of the inlet. Contact Aera.

**WATER LOGISTICS:** Shallow water and strong currents.

Limitations: depth, obstruction

Launching, Loading, Docking Boat launch is available on the north side of the Oil Service Bridge. There are no docks. Fuel and Services Available: is available at nearby service stations north and south on Pacific Coast Highway.

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

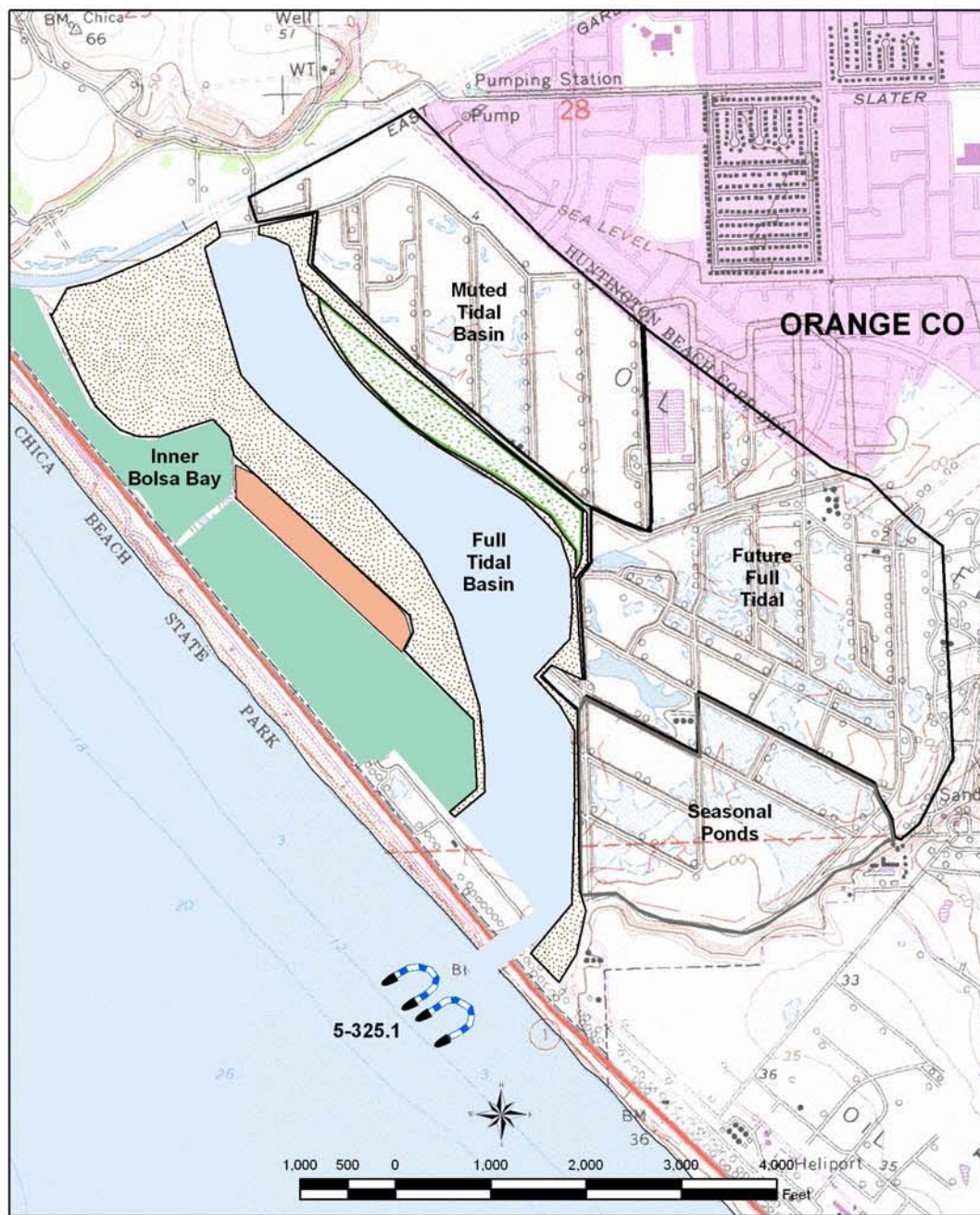
Pre-staged booms stored in containers on the north side of the oil service bridge and on trailers in a shed on the south side of the oil service bridge.

**COMMUNICATIONS PROBLEMS:** No obstructions or limitations to cell phone or radio usage in the area.

**ADDITIONAL OPERATIONAL COMMENTS:**

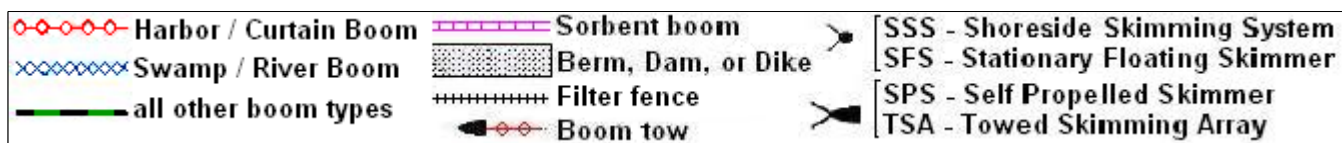
As the bottom profile and currents are ever-changing in the new wetland, other options for additional protection could be considered such as berming the mouth with sand and fast water booming techniques. Additionally, Aera Energy's Bolsa Chica Tactical Response Manual has protection strategies for a spill from the surrounding oil field which could also be beneficial for an offshore spill.





CDFG - OSPR & USCG Site No. 5-325: Name: Bolsa Chica - Restored Wetlands

Corey Kong OSPR & Jo Sanders OSPR Date: Mar 18, 2008



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County: **Orange Co.** Thomas Guide Location: **888 D5** ACP Division: **OR-B** Latitude N: **33 38.00** Longitude W: **117 57.01**  
 USGS Quad: **Newport Beach** NOAA Chart: **18746** Decimal Degrees: **33.631800 -117.960210**

Last Page Update : 3/10/2008
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**SITE DESCRIPTION:**

Coastal lagoon and wetlands complex connected to the ocean by a riprap-lined channel. There is currently no direct connection to the Santa Ana River.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - April to September and when listed species are present; California Least Terns use this area during the summer months. Migratory birds use this area during the winter months.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon and wetlands complex adjacent to California Least Tern nesting site.

California Least Tern (nesting inside and outside fenced area north of the Santa Ana River) (Federal and State endangered species), California Brown Pelican (Federal and State endangered species), Belding's Savannah Sparrow (State endangered species) shorebirds, and waterfowl (migratory).

Intertidal mudflat.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		AES Power	(714) 374-1401
O		Huntington Beach Police Dept. (24 hr)	(714) 536-5333
O		Huntington Beach Fire Dept. (24 hr)	(714) 536-2501
O		Huntington Beach Lifeguards	(714) 536-2581
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Ellen Farout-Daniels	California Coastal Commission	(415) 904-5285

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-330 -A Site Strategy - Talbert Marsh****5-330 -A**

County: **Orange Co.** Thomas Guide Location: **888 D5** ACP Division: **OR-B** Latitude N: **33 38.00** Longitude W: **117 57.01**  
USGS Quad: **Newport Beach** NOAA Chart: **18746** Decimal Minutes: **33.631800** Decimal Degrees: **-117.960210**

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**

Strategy 5-330.1 Objective: Exclusion of oil entry to wetland.

Sand berm (12' high). Borrow sand from north side of Talbert Marsh channel.

Strategy 5-330.2 Objective: Exclusion of oil entry to wetland.

Deflection boom diagonally across channel.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-330.1	0	0	0	0	0		0	0			1	Bulldozer		2	
5-330.2	600	0	0	0	0		0	1	0		2	Stakes		4	

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Huntington Beach, go south on Magnolia St. for a few yards and you will be at the entrance to Huntington State Beach. Go to the southern end of the parking lot.

**LAND ACCESS:** Marsh channel is at the southern end of the parking lot.

**WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

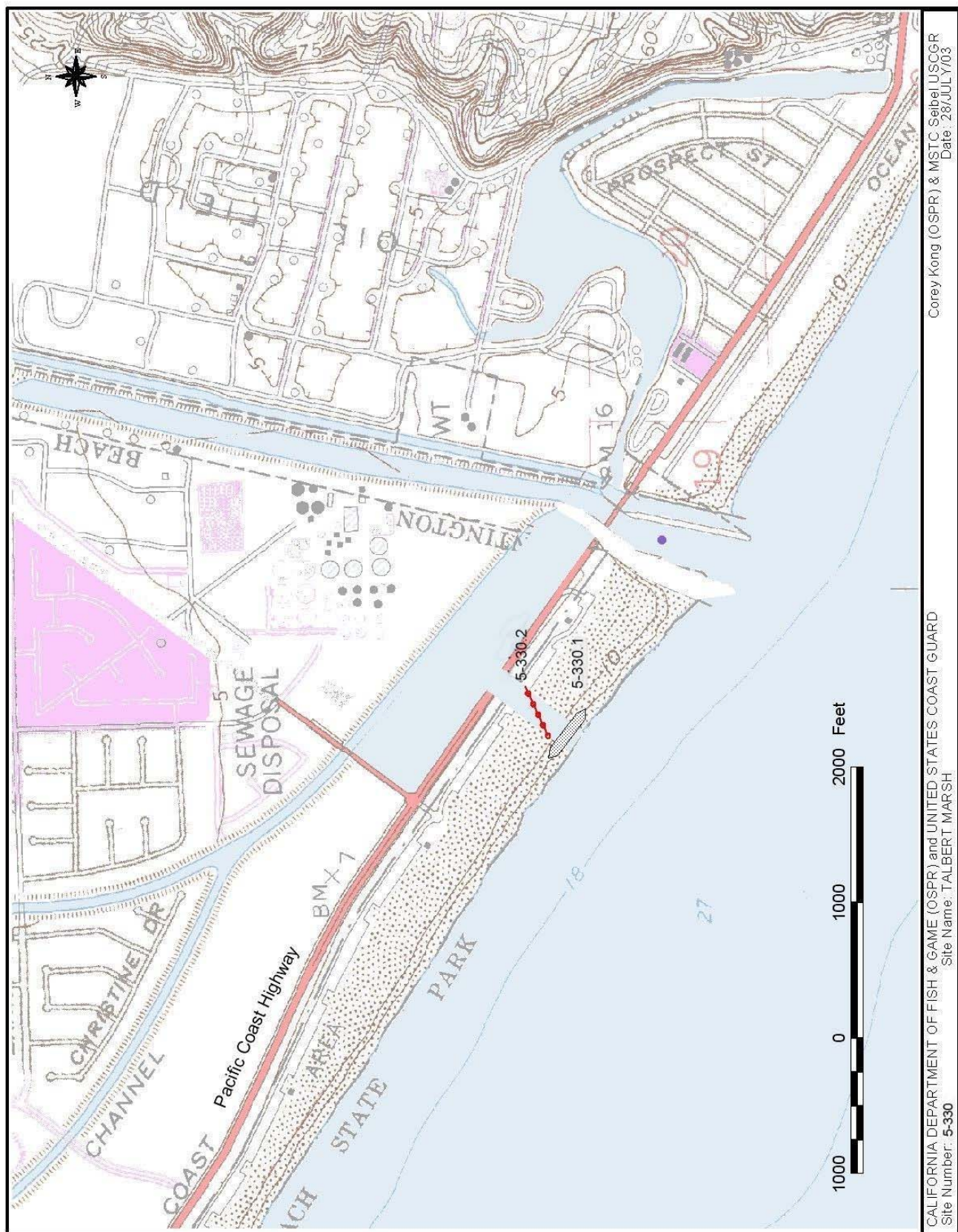
Parking and staging at the southern end of the Huntington State Beach parking lot.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

Keep all activities to the north side of the Talbert Marsh channel to minimize impacts to the Least Tern nesting site. Notify the California Coastal Commission if a sand berm is required.





Corey Kong (OSPR) & MSTC Seibel USCGR  
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: TALBERT MARSH

Site Number: 5-330

<ul style="list-style-type: none"> <li>Harbor / Curtain Boom</li> <li>Swamp / River Boom</li> <li>all other boom types</li> </ul>	<ul style="list-style-type: none"> <li>Sorbent boom</li> <li>Berm, Dam, or Dike</li> <li>Filter fence</li> <li>Boom tow</li> </ul>	<ul style="list-style-type: none"> <li>SSS - Shoreside Skimming System</li> <li>SFS - Stationary Floating Skimmer</li> <li>SPS - Self Propelled Skimmer</li> <li>TSA - Towed Skimming Array</li> </ul>
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**5-340 -A Site Summary- Newport Slough Wetland****5-340 -A**

County: **Orange Co.** Thomas Guide Location: **888 E5** ACP Division: **OR-B** Latitude N: **33 38.00** Longitude W: **117 57.00**  
USGS Quad: **Newport Beach** NOAA Chart: **18746** Decimal Degrees: **33.631360 -117.955790**

Last Page Update : 3/10/2008

**SITE DESCRIPTION:**

Coastal lagoon and wetlands complex connected to the Santa Ana River by a tidal gate.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - Presence of listed species.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon and wetlands complex.

California Least Tern (Federal and State endangered species), California Brown Pelican (Federal and State endangered species), Western Snowy Plover (Federal endangered species), Belding's Savannah Sparrow (State endangered species), wading birds, and shorebirds.

Intertidal mudflat.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		AES Power	(714) 374-1401
O		Newport Beach Police Dept. (24 hr)	(949) 644-3717
O		Newport Beach Fire Dept. (24 hr)	(949) 780-0981
O		Newport Beach Lifeguards (7am - 6pm)	(949) 644-3177
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-340 -A Site Strategy - Newport Slough Wetland****5-340 -A**

County: **Orange Co.** Thomas Guide Location: **888 E5** ACP Division: **OR-B** Latitude N: **33 38.00** Longitude W: **117 57.00**  
USGS Quad: **Newport Beach** NOAA Chart: **18746** Decimal Degrees: **33.631360 -117.955790**

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**

Strategy 5-340.1 Objective: Exclusion of oil entry to wetland.

Close tidal gate(s).

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-340.1	0	0	0	0	0		0	0	0	0				2	

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From northbound PCH in Newport Beach, turn right just before you reach the bridge over the Santa Ana River. There is a small place to park at the gate to the county access road.

**LAND ACCESS:** From parking area, procede on bicycle path a few yards to gates.

**WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

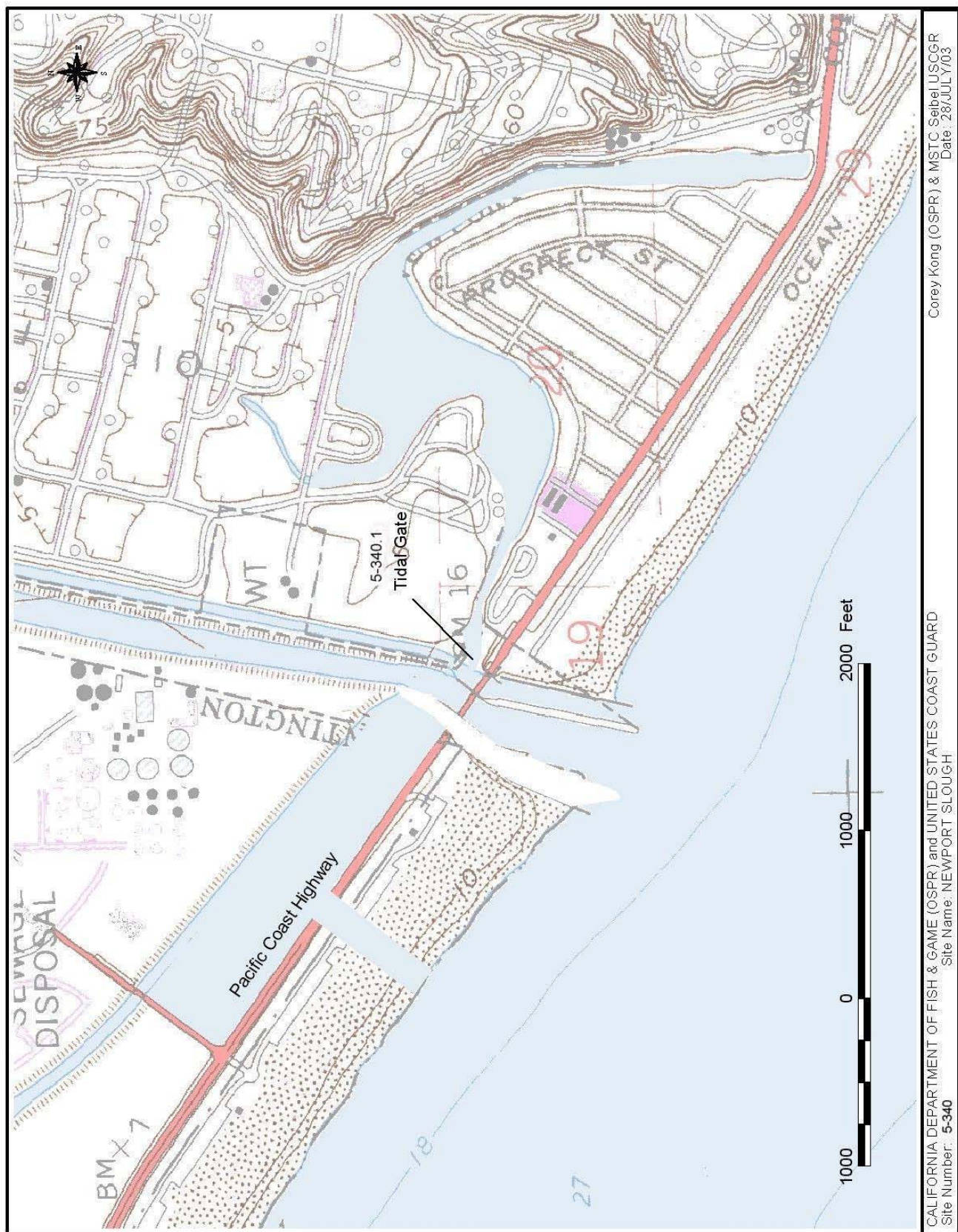
There is parking for 2 vehicles.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

First responder may need bolt cutters for locks to tidal gates.

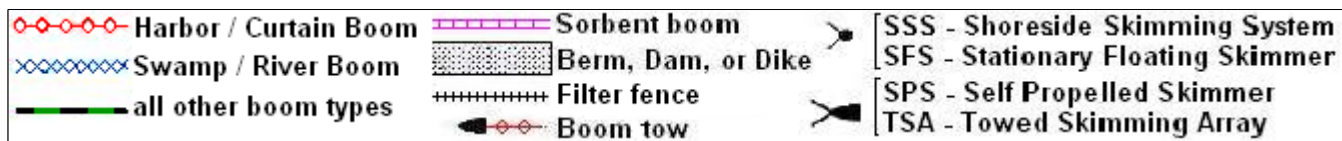




Corey Kong (OSPR) & MSTC Seibel USCGR  
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: NEWPORT SLOUGH

Site Number: 5-340



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County:	<b>Orange Co.</b>	Thomas Guide Location:	<b>888 E5</b>	ACP Division:	<b>OR-B</b>	Latitude N	<b>33 38.0</b>	Longitude W	<b>117 57.5</b>
USGS Quad:	<b>Newport Beach</b>	NOAA Chart:	<b>18746</b>	Decimal Minutes:		Decimal Degrees:	<b>33.630100</b>		<b>-117.957000</b>

Last Page Update :	3/10/2008
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**SITE DESCRIPTION:**

Intermittent river mouth connected to coastal wetlands.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Channel serves as coastal lagoon and wetlands complex.

California Least Tern (Federal and State endangered species), California Brown Pelican (Federal and State endangered species), Belding's Savannah Sparrow (State endangered species), Black Skimmer, seabirds, shorebirds, and waterfowl. California Gnatcatcher (Federal threatened species) and Least Bell's Vireo (Federal and State endangered species) are found in the adjoining upland habitat.

Juvenile finfish.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		AES Power	(714) 374-1401
O		US Ocean Safety Lifeguards (24 hr)	(949) 276-5050
O		Newport Beach Police Dept. (24 hr)	(949) 644-3717
O		Newport Beach Fire Dept. (24 hr)	(949) 780-0981
O		Newport Beach Lifeguards (7am - 6pm)	(949) 644-3177
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		NOAA/Nat. Mar. Fish. Service	(562) 980-4043
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Ellen Farout-Daniels	California Coastal Commission	(415) 904-5285

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-350 -A Site Strategy - Santa Ana River****5-350 -A**County: **Orange Co.**  
USGS Quad: **Newport Beach**Thomas Guide Location: **888 E5**  
NOAA Chart: **18746**ACP Division: **OR-B**Latitude N  
Decimal Minutes: **33 38.0**  
Decimal Degrees: **33.630100**  
Longitude W  
117 57.5  
-117.957000Last Page Update : **4/21/2005****CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species nesting and foraging habitat.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**Strategy 5-350.1 Objective: Exclusion of oil entry to wetland.

Sand berm (12' high).

Strategy 5-350.2 Objective: Exclusion of oil entry to wetland.

Deflection boom diagonally across channel.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-350.1					0		0	0			1	Bulldozer		2	
5-350.2	600				1	Danforth 40 lb	0	1			2	Stakes		4	

**LOGISTICS****DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Huntington Beach, go south on Magnolia St. for a few yards and you will be at the entrance to Huntington State Beach. Go to the southern end of the parking lot.

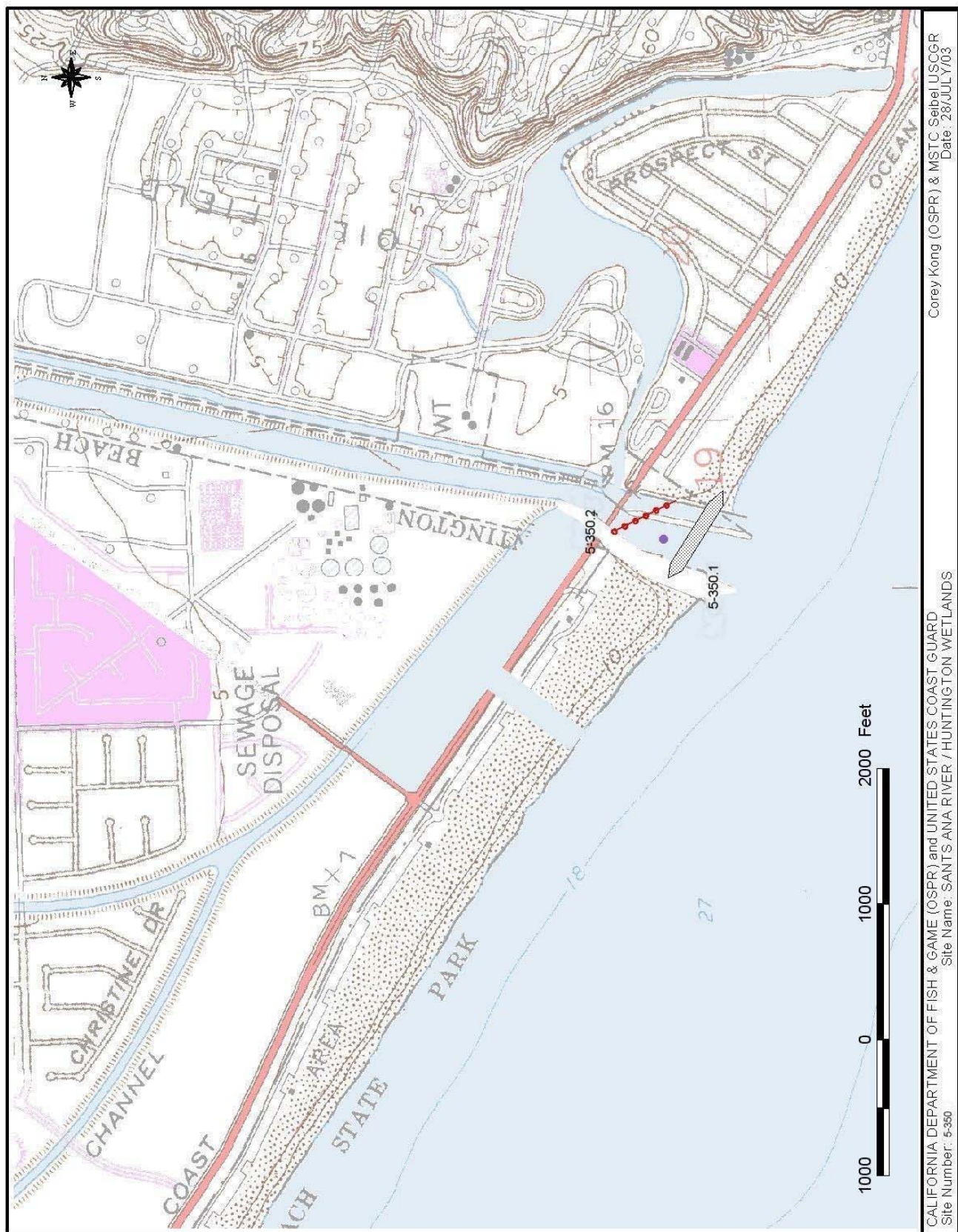
**LAND ACCESS:** From parking area, go south to the rivermouth.**WATER LOGISTICS:**Limitations: depth, obstruction  
Launching, Loading, Docking  
and Services Available:**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

Parking and staging at the southern end of the Huntington State Beach parking lot. Access the south bank from Seashore Drive in Newport Beach.

**COMMUNICATIONS PROBLEMS:** None.**ADDITIONAL OPERATIONAL COMMENTS:**

Notify the California Coastal Commission if a sand berm is required.





Corey Kong (OSPR) & MSTC Seibel USCGR  
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: SANTA ANA RIVER / HUNTINGTON WETLANDS

Site Number: 5-350

<ul style="list-style-type: none"> <li>Harbor / Curtain Boom</li> <li>Swamp / River Boom</li> <li>all other boom types</li> </ul>	<ul style="list-style-type: none"> <li>Sorbent boom</li> <li>Berm, Dam, or Dike</li> <li>Filter fence</li> <li>Boom tow</li> </ul>	<ul style="list-style-type: none"> <li>SSS - Shoreside Skimming System</li> <li>SFS - Stationary Floating Skimmer</li> <li>SPS - Self Propelled Skimmer</li> <li>TSA - Towed Skimming Array</li> </ul>
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**5-360 -A Site Summary- Lower Newport Bay****5-360 -A**

County: **Orange Co.** Thomas Guide Location: **919 E2** ACP Division: **OR-B** Latitude N: **33 35.5** Longitude W: **117 53.0**  
USGS Quad: **Newport Beach** NOAA Chart: **18754** Decimal Degrees: **33.594900 -117.879730**

Last Page Update : 3/10/2008

**SITE DESCRIPTION:**

Very large coastal embayment - considerable human development with numerous marinas and homes. Shallow water habitat and some shoreline remains undeveloped.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Open water shallow habitat.

California Least Tern (Federal and State endangered species), California Brown Pelican (Federal and State endangered species), waterfowl, shorebirds, and seabirds.

Juvenile finfish.

Eel Grass.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Newport Beach Police Dept. (24 hr)	(949) 644-3717
O		Newport Beach Fire Dept. (24 hr)	(949) 780-0981
O		Newport Beach Lifeguards (7am - 6pm)	(949) 644-3177
O		Orange County Harbor Patrol (24 hr)	(949) 723-1002
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
O	Larry Allen	CSUN (fish expert)	(818) 677-3340
T	Jeff Stoddard Reserve Manager	Calif. Dept. of Fish and Game Reg 5	(949) 640-9961

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-360 -A Site Strategy - Lower Newport Bay****5-360 -A**

County: **Orange Co.** Thomas Guide Location: **919 E2** ACP Division: **OR-B** Latitude N: **33 35.5** Longitude W: **117 53.0**  
USGS Quad: **Newport Beach** NOAA Chart: **18754** Decimal Degrees: **33.594900 -117.879730**

Last Page Update :	4/21/2005
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**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**

Strategy 5-360.1 Objective: Exclusion of oil to enter Newport Bay.

Use deflection boom at the entrances to deflect the oil to beach fronts. Use additional deflection booms in a cascade pattern in the channel to deflect oil to collection points.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-360.1	2000				0		1	0		0				4	

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launch available in Newport Bay. From PCH in Newport Beach, go north on Jamboree Rd. then west on Back Bay Dr. Boat launch is at Newport Dunes Aquatic Park at 1131 Back Bay Dr.

**LAND ACCESS:** See Additional Operational Comments.

**WATER LOGISTICS:** Strong currents. Heavy small boat traffic.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

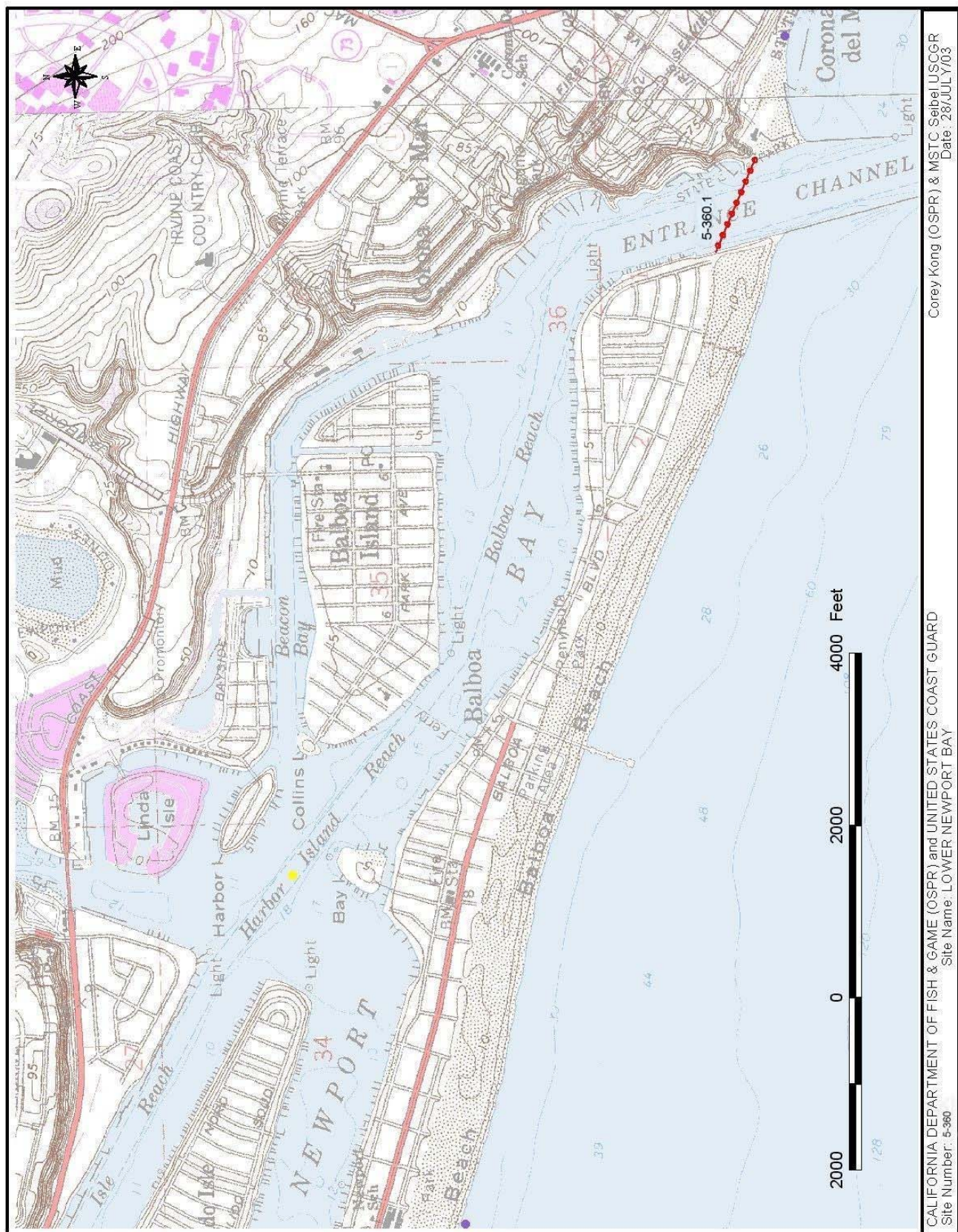
Currently there is 3000 feet of 24 inch boom staged at the Orange Co. Sheriffs Dept., Newport Beach Harbor Patrol Office. The Coast Guard Cutter Pt. Stewart is co-located with the Harbor Patrol and may be utilized.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

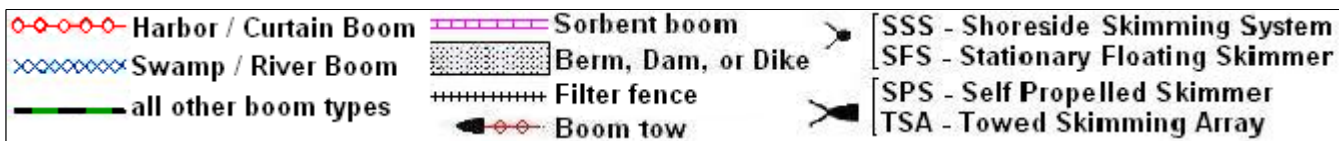
Land access to the north bank of the Newport channel is at Balboa Blvd. and Channel Rd. in Newport Beach. Land access to the south bank is at Corona Del Mar State Beach and several points along Bayside Dr. The Newport Beach Harbor Patrol Office is located at 1901 Bayside Dr.





Corey Kong (OSPR) & MSTC Seibel USCGR  
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: LOWER NEWPORT BAY  
Site Number: 5-360



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**5-365 -A Site Summary- Upper Newport Bay****5-365 -A**

County: **Orange Co.** Thomas Guide Location: **889 D5** ACP Division: **OR-B** Latitude N: **33 37.1** Longitude W: **117 54.1**  
USGS Quad: **Newport Beach** NOAA Chart: **18754** Decimal Degrees: **33.623930 -117.891690**

Last Page Update : 3/10/2008

**SITE DESCRIPTION:**

Extensive shallow-water habitat - marshland, wetlands, very low energy, soft bottom substrate.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Extensive shallow water habitat and wetlands.

California Least Tern (Federal and State endangered species) and Light-Footed Clapper Rail (Federal and State endangered species) nesting and foraging, California Brown Pelican (Federal and State endangered species), Black Skimmer, Belding's Savannah Sparrow, (State endangered species), California Gnat Catcher (Federal threatened species), and Peregrine Falcon (State endangered species).

Major juvenile finfish populations (particularly California Halibut).

Salt Marsh Bird's Beak (Federal and State endangered species) and Cord Grass.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Newport Beach Police Dept. (24 hr)	(949) 644-3717
O		Newport Beach Fire Dept. (24 hr)	(949) 780-0981
O		Newport Beach Lifeguards (7am - 6pm)	(949) 644-3177
O		Orange County Harbor Patrol (24 hr)	(949) 723-1002
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
E		Newport Dunes Aquatic Park	(949) 729-3863
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
O	Larry Allen	CSUN (fish expert)	(818) 677-3340
T	Jeff Stoddard Reserve Manager	Calif. Dept. of Fish and Game Reg 5	(949) 640-9961

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-365 -A Site Strategy - Upper Newport Bay****5-365 -A**

County: **Orange Co.** Thomas Guide Location: **889 D5** ACP Division: **OR-B** Latitude N: **33 37.1** Longitude W: **117 54.1**  
USGS Quad: **Newport Beach** NOAA Chart: **18754** Decimal Minutes: **33 37.1** **117 54.1**  
Decimal Degrees: **33.623930 -117.891690**

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**Strategy 5-365.1 Objective: Exclusion of oil to enter Newport Bay.

Use deflection boom east of Pacific Coast Highway to deflect the oil to beach fronts. Use additional deflection booms in a cascade pattern in the channel to deflect oil to collection points.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-365.1	1000				0		1	0		0				4	

**LOGISTICS****DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launch available in Newport Bay. From PCH in Newport Beach, go north on Jamboree Rd. then west on Back Bay Dr. Boat launch is at Newport Dunes Aquatic Park at 1131 Back Bay Dr.

**LAND ACCESS:** Several points along Back Bay Dr.

**WATER LOGISTICS:** Shallow water and strong currents. Kayakers.

Limitations: depth, obstruction

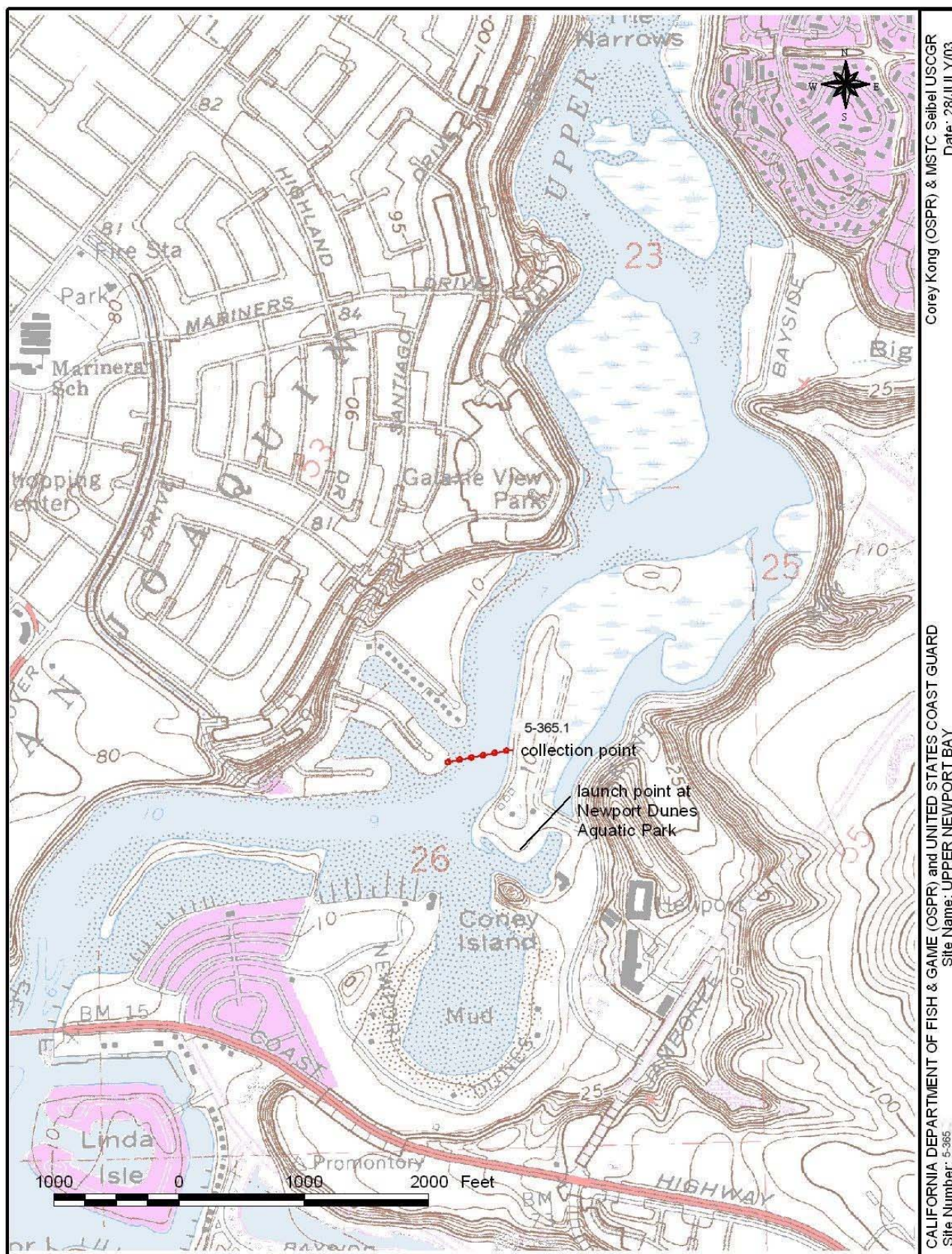
Launching, Loading, Docking All services available.  
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:** None.

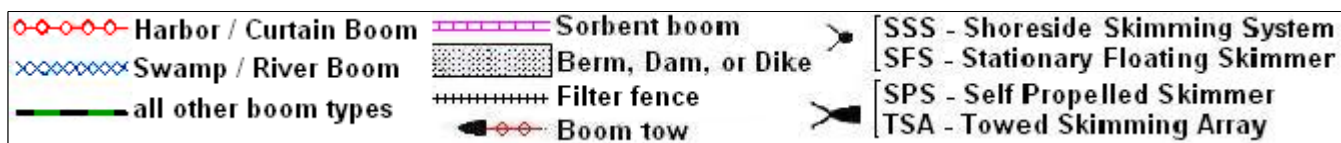
**ADDITIONAL OPERATIONAL COMMENTS:**





Corey Kong (OSPR) & MSTC Seibel USCGR  
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: UPPER NEWPORT BAY  
Site Number: 5-365



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County: **Orange Co.** Thomas Guide Location: 951 B7 ACP Division: OR-D Latitude N Longitude W  
 USGS Quad: **San Juan Capist** NOAA Chart: **18746** Decimal Minutes: 33 30.01 117 45.00  
 Decimal Degrees: 33.510822 -117.751792

Last Page Update : 3/10/2008
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**SITE DESCRIPTION:**

Small creek mouth located in Laguna Beach. During a portion of the year, a sand berm is present which prevents surface flows into the ocean. During winter months, storm water may breach the sand berm at the creek mouth. During this period the lower portion of the creek is subject to tidal flows and wave wash. The area adjacent to the creek mouth is a sandy beach.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Coastal lagoon/creek inlet.

Tidewater Goby (Federal and State endangered species). This site has been identified as being critical for the continued survival of the Tidewater Goby. An oil spill into this area would be significant in terms of potential impacts on a federally endangered species.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Laguna Beach Marine Safety (9am - 5pm)	(949) 494-6571
O		Orange County Harbor, Beaches, & Parks (day)	(714) 973-6861
O		Laguna Beach Police Dept. (24 hr)	(949) 497-0356
O		Laguna Beach Fire Dept. (24 hr)	(949) 497-0358
O		US Ocean Safety Lifeguards (24 hr)	(949) 276-5050
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		NOAA/Nat. Mar. Fish. Service	(562) 980-4043
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Ellen Farout-Daniels	California Coastal Commission	(415) 904-5285

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-370 -A Site Strategy - Aliso Creek****5-370 -A**

County: **Orange Co.** Thomas Guide Location: **951 B7** ACP Division: **OR-D** Latitude N: **33 30.01** Longitude W: **117 45.00**  
USGS Quad: **San Juan Capist** NOAA Chart: **18746** Decimal Degrees: **33.510822 -117.751792**

Last Page Update : 4/21/2005

**CONCERNS and ADVICE to RESPONDERS:**

To protect endangered species critical habitat. Avoid disturbances to the creek. Boom should be staked on the banks, and not anchored.

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES**

Strategy 5-370.1 Objective: Prevent oil from entering lagoon during summer.

Construct sand berm and place harbor boom inside of lagoon to deflect any oil washed over berm to collection site.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-370.1		0	0	0	0		0	1		0				2	

**LOGISTICS**

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Access to Aliso Creek from the adjacent Aliso County Beach. Aliso Beach is located off Pacific Coast Highway in Laguna Beach.

**LAND ACCESS:****WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

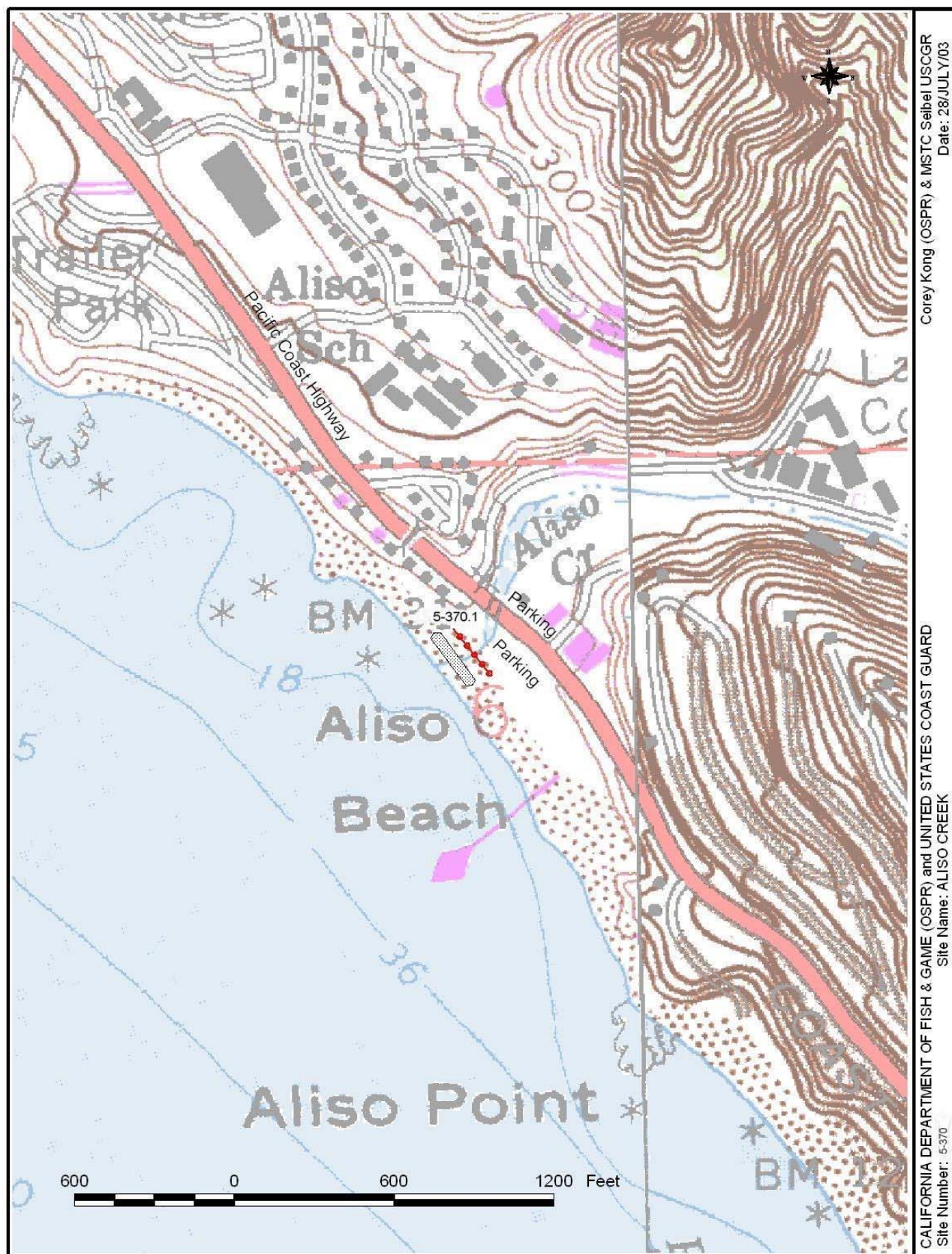
Parking lots on both sides of PCH. The lot east of PCH may be the better staging area. Connection to beach is through a pedestrian tunnel.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**

Notify the California Coastal Commission if a sand berm is required.





Harbor / Curtain Boom	Sorbent boom	SSS - Shoreside Skimming System
Swamp / River Boom	Berm, Dam, or Dike	SFS - Stationary Floating Skimmer
all other boom types	Filter fence	SPS - Self Propelled Skimmer
	Boom tow	TSA - Towed Skimming Array

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County: **Orange Co.** Thomas Guide Location: **971 F7** ACP Division: **OR-D** Latitude N: **33 27.0** Longitude W: **117 43.5**  
 USGS Quad: **Dana Point** NOAA Chart: **18746** Decimal Degrees: **33.460100 -117.713900**

Last Page Update : 3/10/2008
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**SITE DESCRIPTION:**

Rocky headland with wave-cut platforms. Harbor Seal and California Sea Lion haul-out area.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Offshore rocks serve as marine mammal haul-out area.

Spiny Lobster and Abalone.

Intertidal communities.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Orange County Fire Authority (24 hr)	(949) 770-6016
O		US Ocean Safety Lifeguards (24 hr)	(949) 276-5050
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Rick Hanks Coastal National Monument	Bureau of Land Management	(831) 372-6105
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

**ADDITIONAL SITE SUMMARY COMMENTS:**

**5-380 -B Site Strategy - Dana Point****5-380 -B**

County: **Orange Co.** Thomas Guide Location: **971 F7** ACP Division: **OR-D** Latitude N Longitude W  
USGS Quad: **Dana Point** NOAA Chart: **18746** Decimal Minutes: **33 27.0** **117 43.5**  
Decimal Degrees: **33.460100 -117.713900**

Last Page Update :	4/21/2005
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**CONCERNS and ADVICE to RESPONDERS:**

To protect sensitive species haulout habitat.

**HAZARDS and RESTRICTIONS:**

Watch weather and sea conditions.

**SITE STRATEGIES**

Strategy 5-380.1 Objective: Open water containment and recovery to prevent oil from reaching the shoreline.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

**Table of Response Resources**

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-380.1			2250 Ocea		0		6	0		0				12	

**LOGISTICS****DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launch available at Dana Pt. Harbor. From PCH in Dana Pt., go south on Del Obispo St. and then left on Embarcadero Pl. to the public boat launch facility.

**LAND ACCESS:** Access best by boat.

**WATER LOGISTICS:** Heavy small boat traffic.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.  
and Services Available:

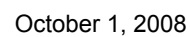
**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

Orange Co. Dept. of Harbor, Beaches and Parks has 1500 feet of harbor boom staged at the Sheriff's Harbor Patrol Office.

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**







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**5-385 -A/C Site Summary- Dana Point Breakwater****5-385 -A/C**

County:	<b>Orange Co.</b>	Thomas Guide Location:	971 H7	ACP Division:	OR-E	Latitude N	Longitude W
USGS Quad:	<b>Dana Point</b>	NOAA Chart:	<b>18746</b>			Decimal Minutes: 3 3 27	117 41
						Decimal Degrees: 33.456400	-117.697597

Last Page Update : 3/10/2008

**SITE DESCRIPTION:**

Riprap to 10 feet above mean lower low water.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - Presence of listed species; otherwise Rank C.

**RESOURCES OF PRIMARY CONCERN**

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species) and seabirds.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Orange County Fire Authority (24 hr)	(949) 770-6016
O		US Ocean Safety Lifeguards (24 hr)	(949) 276-5050
O		Orange County Harbor Patrol (24 hr)	(949) 723-1002
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 5-385 -A/C Site Strategy - Dana Point Breakwater

5-385 -A/C

County: **Orange Co.**

Thomas Guide Location: 971 H7

ACP Division: OR-E

Latitude N

Longitude W

USGS Quad: **Dana Point**

NOAA Chart: **18746**

Decimal Minutes: 3 3 27

117 41

Decimal Degrees: 33.456400 -117.697597

Last Page Update : 4/21/2005

### CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

### HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

### SITE STRATEGIES

Strategy 5-385.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

### Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-385.1		0	1500 Ocea	0	0		4	0		0				8	

### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launch available at Dana Pt. Harbor. From PCH in Dana Pt., go south on Del Obispo St. and then left on Embarcadero Pl. to the public boat launch facility.

**LAND ACCESS:** Access best by boat.

**WATER LOGISTICS:** Heavy small boat traffic.

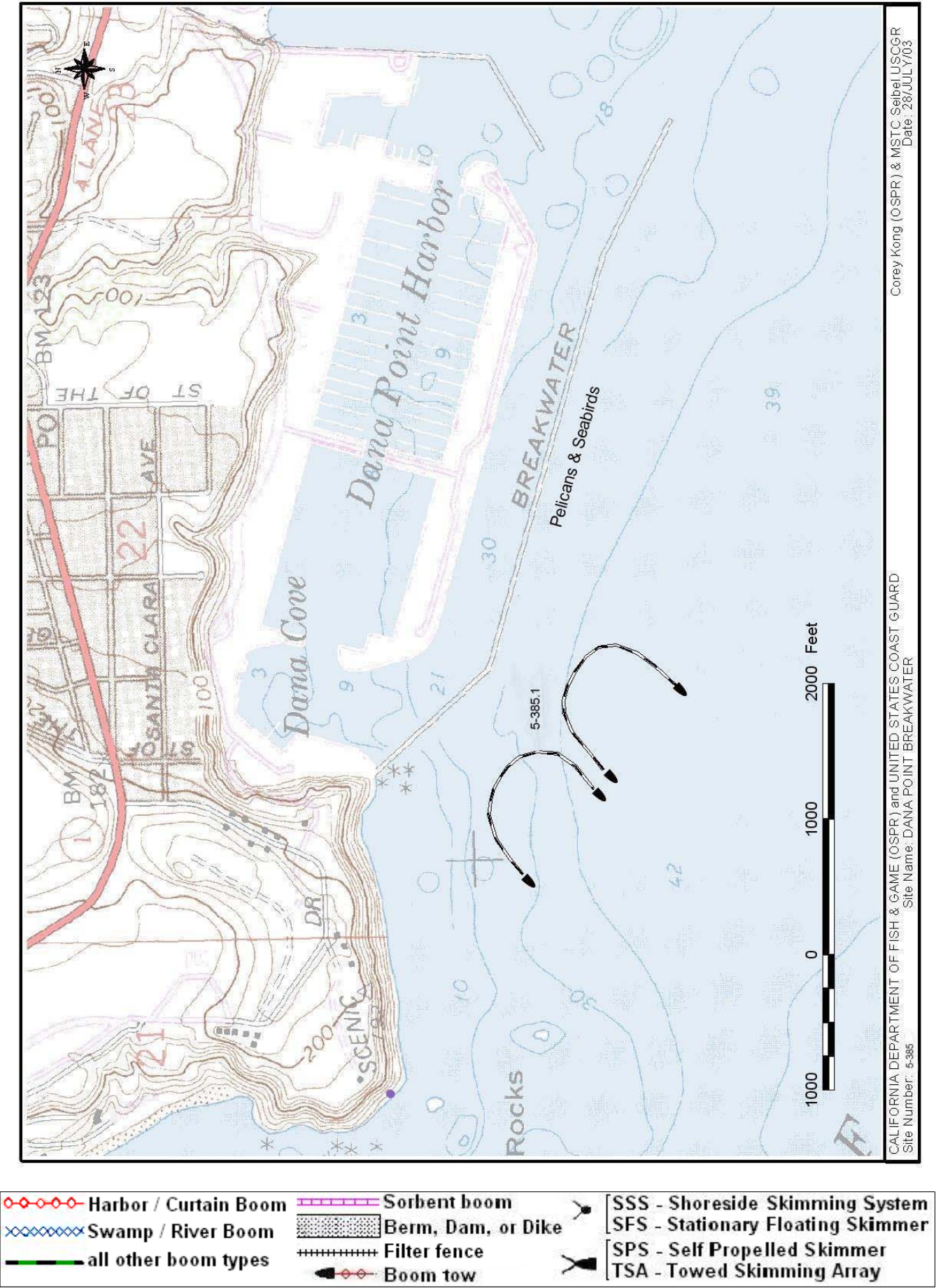
Limitations: depth, obstruction

Launching, Loading, Docking All services available.  
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:** None.

**ADDITIONAL OPERATIONAL COMMENTS:**



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County:	<b>Orange Co.</b>	Thomas Guide Location:	972 A7	ACP Division:	OR-E	Latitude N	33 27.0	Longitude W	117 40.5
USGS Quad:	<b>Dana Point</b>	NOAA Chart:	<b>18746</b>			Decimal Minutes:			
						Decimal Degrees:	33.462310	-117.683100	

Last Page Update :	3/10/2008
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**SITE DESCRIPTION:**

Small coastal creek with marsh and wetlands.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Rank A - All year.

**RESOURCES OF PRIMARY CONCERN**

Seabird and waterfowl resting and foraging site.

California Brown Pelican (Federal and State endangered species), waterfowl, shorebirds, and seabirds.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
O		Orange County Fire Authority (24 hr)	(949) 770-6016
O		Orange County Sheriffs Dept. (24 hr)	(714) 288-6742
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Doheny State Beach	(949) 496-6171
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Ellen Farout-Daniels	California Coastal Commission	(415) 904-5285

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 5-390 -A Site Strategy - San Juan Creek

5-390 -A

County: **Orange Co.**

Thomas Guide Location: 972 A7

ACP Division: OR-E

Latitude N

Longitude W

USGS Quad: **Dana Point**

NOAA Chart: **18746**

Decimal Minutes: 33 27.0

117 40.5

Decimal Degrees: 33.462310 -117.683100

Last Page Update : 4/21/2005

### CONCERNS and ADVICE to RESPONDERS:

To protect endangered species nesting and foraging habitat.

### HAZARDS and RESTRICTIONS:

### SITE STRATEGIES

Strategy 5-390.1 Objective: Exclusion of oil into creek.

Sand berm.

Strategy 5-390.2 Objective: Exclusion of oil into creek.

Construction of a filter barrier (excellent fence) if shortage of sand or wash-over beach due to high tides or waves.

### Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-390.1					0		0	0			1	Bulldozer		2	
5-390.2					0		0	0			0			10	

### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Dana Pt., go south on Del Obispo St. and then left into the State Beach.

### LAND ACCESS:

### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

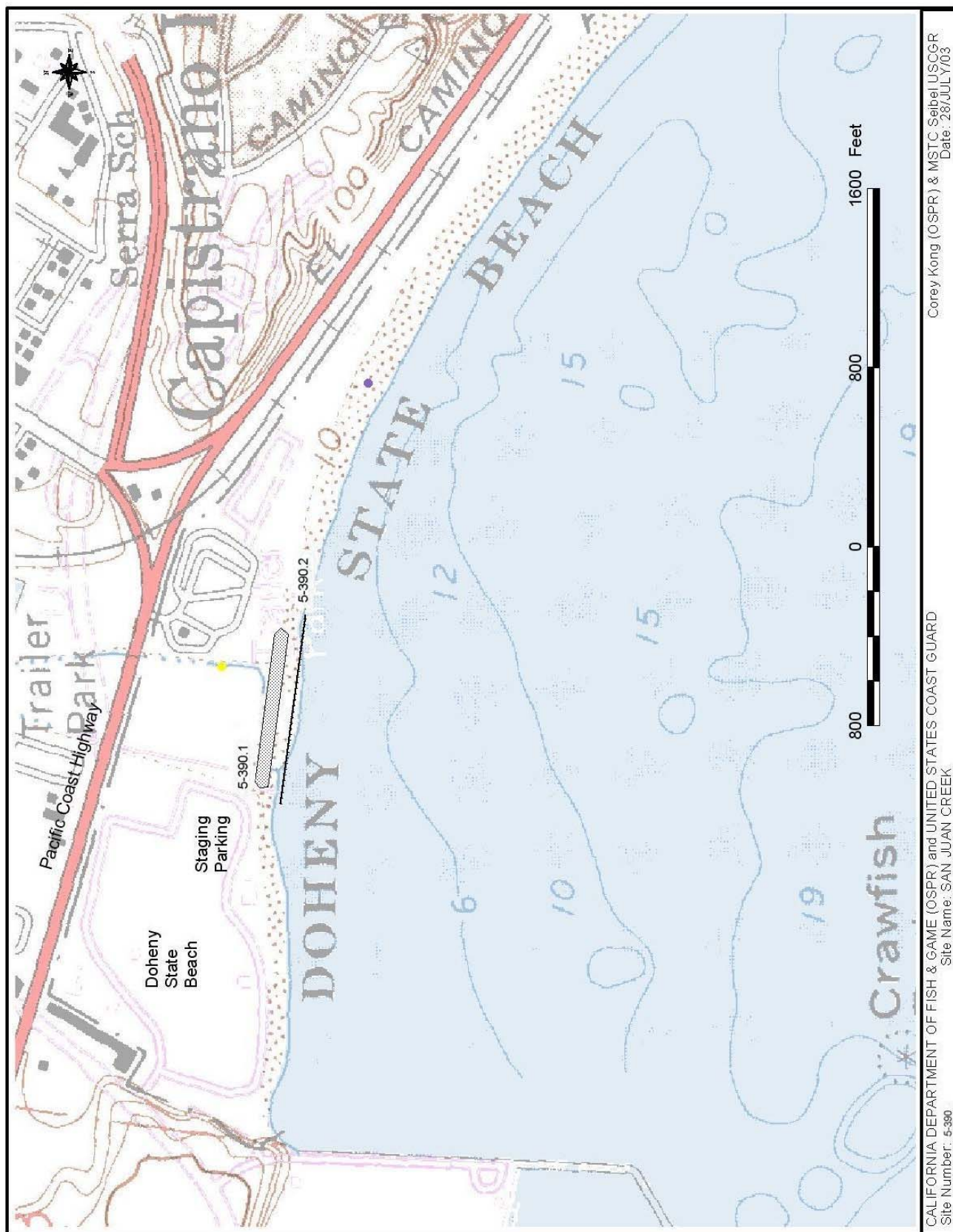
and Services Available:

### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

**COMMUNICATIONS PROBLEMS:** None.

### ADDITIONAL OPERATIONAL COMMENTS:

Notify the California Coastal Commission if a sand berm is required.



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## **9842.2 Cultural and Other Resources at Risk**

This section provides cultural and other resources at risk information that may not be included in sensitive site information. This section also includes information such as "Essential Fish Habitat" or other variable resource patterns which may occur in a given area.

### **9842.21 Cultural and Historical Resources**

#### **Introduction**

The primary purpose this section is to identify and incorporate into emergency response planning, the specific resources subject to injury or damages from an oil spill event. An important and immediate consideration at the occurrence of an oil spill in California marine waters is whether areas that are culturally sensitive or contain historical or archaeological resources may be impacted by the spill. The affects of oil upon these resources can be extremely damaging. Often of greatest concern to the safety of cultural and historical resources are the response actions such as establishment of equipment staging areas. Culturally sensitive areas are often difficult to identify visually and therefore pre-sill planning becomes essential to avoid damaging these resources.

Historical resources are defined under the California Environmental Quality Act (CEQA) to include, but not limited to: "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." These sites or areas would either be on or eligible to be placed on the California Register of Historical Resources or the National Register of Historical Places.

The CEQA defines an important archaeological resource as one that: "A) is associated with an event or person of; 1) recognized significance in California or American history, or 2) recognized scientific important in prehistory; B) can provide information which is both demonstrable public interest and useful in addressing scientifically consequential and reasonable archaeological research questions; C) has a special or particular quality such as oldest, best example, largest, or last surviving example of its kind; D) is at least 100 years old and possesses substantial stratigraphic integrity; E) involves important research questions that historical research has shown can be answered only with archaeological methods."

#### **Culturally Sensitive Areas**

This Area Contingency Plan does not attempt to identify the location of sites or areas of importance to Native Americans. Many of the coastal areas of significance to Native Americans are known or have been identified, but are often confidential information. This planning document provides, as available, the contact names, locations and phone numbers of knowledgeable sources for information on areas of cultural or economic significance to Native Americans within California.

The coastline of California contains many sites with culturally sensitive resources. The locations of some sites are available to the general public but many other locations are held as confidential information at Regional Information Centers throughout the State and by local Indian organizations. Culturally sensitive areas exist on both public and private lands and



therefore the following public agencies and individuals listed below should be contacted during a significant oil spill incident:

**Native American Heritage Commission**

915 Capitol Mall, Room 364  
Sacramento, CA 95814

Phone:(916) 653-4082  
FAX:(916) 657-5390

**Office of Historic Preservation**

Department of Parks and Recreation  
1416 9<sup>th</sup> St.  
Sacramento, CA 94296-0001

Phone:(916) 653-6624  
FAX:(916) 653-9824  
[calshpo@parks.ca.gov](mailto:calshpo@parks.ca.gov)  
[www.ohp.parks.ca.gov](http://www.ohp.parks.ca.gov)

**Cultural Resources Division**

Department of Parks and Recreation  
1416 9<sup>th</sup> St.  
Sacramento, CA 94296-0001

Contact: John W. Foster  
Phone:(916) 653-4529  
FAX:(916) 653-3398

**Local Native American Representatives**

An important and immediate consideration of the occurrence of on oil spill along the California coastline is whether areas that are culturally and historically significant will be impacted by oil. The effect of oil is damaging upon these sites, however, potential response actions can be even more destructive if not properly supervised. Marine spills can cover large areas and with state and federal public properties overlapping with private lands along the coast ownership of affected segments of coastline may be difficult to discern without proper boundary identification.

The California Department of Parks and Recreation owns State park and beach properties along the Los Angeles and Orange County coastline. At the time of a spill State Park Archeologists should be notified in order to evaluate known cultural resources sensitivity within park lands and to determine if a Native American representative is required to be on scene of a response.

Santa Ynez Band of Chumash Indians    Chumash  
Tribal Elders Council  
P.O. Box 365  
Santa Ynez, CA 93460  
(805) 688-8446  
(805) 693-1768 FAX

Gabrielino

Juaneño

A geographic distribution of Native American tribes in California is shown following the list of regional information centers for historically sensitive resources. All coastal areas for each tribe are considered economically significant, because fishing and other traditional uses span the length of coast line for each group.

## **Historical and Archaeological Sites**

California has many identified historical or archaeological sites of significance near marine waters of the State. The Office of Historic Preservation within the Department of Parks and Recreation, maintains the California Register of Historical Resources. The California State Lands Commission maintains a database of known shipwrecks and other underwater marine archaeologically significant resources in state waters. Provided below is a list of references for information about historical and archaeological sites at risk from marine oil spills.

### **Office of Historic Preservation**

Department of Parks and Recreation  
1416 9<sup>th</sup> St., Room 1442-7  
Sacramento, CA 95814  
(916) 653-6624  
(916) 653-9824 FAX

P.O. Box 942896  
Sacramento, CA 94296-0001

[calshpo@parks.ca.gov](mailto:calshpo@parks.ca.gov)  
[www.ohp.parks.ca.gov](http://www.ohp.parks.ca.gov)

### **California State Lands Commission**

100 Howe Ave., Suite 100 South  
Sacramento, CA 95825-8202  
(916) 574-1900  
(916) 574-1810 FAX

Long Beach – Mineral Resources Management Division  
200 OceanGate, 12<sup>th</sup> Floor  
Long Beach, CA 90802-4331  
(562) 590-5295 FAX

Paul B. Mount  
Division Chief Mineral Resources  
(562) 590-5205  
(562) 590-5210 FAX  
[mountp@slc.ca.gov](mailto:mountp@slc.ca.gov)

[www.slc.ca.gov](http://www.slc.ca.gov)

## **Information Center of the California Archeological Inventory**

The following institutions are under agreement with the Office of Historic Preservation to:

- Integrate newly discovered sites and information on known sites into the California Archeological Inventory;
- Supply information on known sites and archeological surveys to governments, institutions, and individuals who have a justifiable need to know;

Supply a list of consultants who are qualified to do archeological field work within their area.

Information Centers:

Dr. Michael A. Glassow, Coordinator  
Central Coastal information Center  
Department of Archeology  
University of California, Santa Barbara  
Santa Barbara, CA 93106

Contact: Amy Gusick  
(805) 893-2472  
(805) 893-8707 FAX

South Central Coastal Information Center  
SCCIC – Department of Anthropology  
CSU Fullerton  
800 North State College Blvd.  
Fullerton, CA 92834  
(714) 278-5395  
(714) 278-5542 FAX  
[sccic@fullerton.edu](mailto:sccic@fullerton.edu)  
[www.anthro.fullerton.edu/sccic/](http://www.anthro.fullerton.edu/sccic/)

## 9842.22 Essential Fish Habitat

Ocean fisheries are managed under the Fishery Conservation and Management Act of 1976, now known as the Magnuson-Stevens Fishery Conservation and Management Act (MSA). The Act provided the National Marine Fisheries Service (NMFS) legislative authority for fisheries regulation in the United States, in the area between three-miles to 200 miles offshore.

In 1996, the Magnuson-Stevens Act was re-authorized and amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267) to emphasize the sustainability of the nation's fisheries and establish a new standard by requiring that fisheries be managed at maximum sustainable levels and that new approaches be taken in habitat conservation. This habitat is called "Essential Fish Habitat" (EFH). The Act established procedures designed to identify, conserve, and enhance EFH for those species regulated under a Federal fisheries management plan.

The MSA requires Federal agencies to consult with NMFS on all actions, or proposed actions, authorized, funded, or undertaken by the agency, that may adversely affect EFH (MSA §305(b)(2)). See ACP Section 4800 for consultation procedures.

*EFH means "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity"* (MSA §3). For the purpose of interpreting this definition of EFH: **Waters** include aquatic areas and their associated physical, chemical, and biological properties that are used by fish and may include aquatic areas historically used by fish where appropriate; **substrate** includes sediment, hard bottom, structures underlying the waters, and associated biological communities; **necessary** means the habitat required to support a sustainable fishery and the managed species' contribution to a healthy ecosystem; and "spawning, breeding, feeding, or growth to maturity" covers a species' full **life cycle** (50 CFR 600.10). **Adverse effect** means any impact which reduces quality and/or quantity of EFH, and may include direct (e.g., contamination or physical disruption), indirect (e.g., loss of prey or reduction in species fecundity), site-specific or habitat-wide impacts, including individual, cumulative, or synergistic consequences of actions (50 CFR 600.810).

The EFH mandate applies to all species managed under a federal Fishery Management Plan (FMP). For the Pacific West Coast (excluding Alaska), there are three FMPs, covering groundfish, coastal pelagic species, and Pacific salmon. Therefore, Federal agencies must consider the impact of a proposed action on EFH for any species managed under those three FMPs. A brief description of EFH identified in each FMP follows. Detailed descriptions are contained in the references following the EFH Assessment template.

*Groundfish:* EFH for Pacific coast groundfish is defined as the aquatic habitat necessary to allow for groundfish production to support long-term sustainable fisheries for groundfish and for groundfish contributions to a healthy ecosystem. Descriptions of groundfish EFH for each of the 83 species and their life stages result in more than 400 EFH identifications. When these EFHs are taken together, **the groundfish EFH includes all waters from the mean higher high water line, and the upriver extent of saltwater intrusion in river mouths, along the coasts of Washington, Oregon and California seaward to the boundary of the U.S. exclusive economic zone (EEZ).**

*Coastal pelagic species:* Amendment 8 to The Coastal Pelagic Species Fishery Management Plan describes the habitat requirements of five pelagic species: Northern anchovy, Pacific sardine, Pacific (chub) mackerel, jack mackerel and market squid. These four finfish and market



squid are treated as a single species complex because of similarities in their life histories and habitat requirements. EFH for coastal pelagic species is defined as: **The east-west geographic boundary of EFH for CPS is defined to be all marine and estuarine waters from the shoreline along the coasts of California, Oregon and Washington offshore to the limits of the EEZ and above the thermocline where sea surface temperatures range between 10o – 26o C. The southern boundary is the U.S.-Mexico maritime boundary. The northern boundary is more dynamic, and is defined as the position of the 10o C isotherm, which varies seasonally and annually.**

*Pacific salmon - chinook, coho, and Puget Sound pink salmon:* EFH for the Pacific coast salmon fishery means those waters and substrate necessary for salmon production needed to support a long-term sustainable salmon fishery and salmon contributions to a healthy ecosystem. To achieve that level of production, EFH includes all those streams, lakes, ponds, wetlands, and other currently viable water bodies and most of the habitat historically accessible to salmon in Washington, Oregon, Idaho, and California. **In the estuarine and marine areas, salmon EFH extends from the nearshore and tidal submerged environments within state territorial waters out to the full extent of the exclusive economic zone (370.4 km) offshore of Washington, Oregon, and California north of Point Conception. Freshwater EFH for Pacific salmon includes all those streams, lakes, ponds, wetlands, and other water bodies currently, or historically accessible to salmon in Washington, Oregon, Idaho, and California, except areas upstream of certain impassable man-made barriers (as identified by the PFMC), and longstanding, naturally-impassable barriers (i.e., natural waterfalls in existence for several hundred years).**

*Southern California Steelhead:* Southern steelhead may have occupied as much as 15% of the winter steelhead range in California, but the present distribution in southern California has been reduced to perhaps 1% of the stream miles they formerly inhabited (E. Gerstung, in: CDFG, 1995). Juvenile steelhead rear in freshwater 1- 4 years and then spend 1-5 years (usually 2-3 in California) in the ocean. Southern steelhead usually spend less time in fresh water because of inhospitable conditions in the lower reaches of Southern California streams. Therefore they may migrate to the ocean or have greater dependency on coastal lagoons during the first year. Fish movements both upstream and downstream coincide with flow pulses from storms. These coastal streams are characterized by sand bar build up during low flow summer months at the mouth. Listed as an endangered species on 8/18/97. **The Evolutionary Significant Unit includes all naturally spawned populations of steelhead (and their progeny) in streams from the Santa Maria River to Malibu Creek.**

#### References

Casillas, E., L. Crockett, Y. deReynier, J. Glock, M. Helvey, B. Meyer, C. Schmitt, M. Yoklavich, A. Bailey, B. Chao, B. Johnson and T. Pepperell. 1998. Essential Fish Habitat West Coast Groundfish Appendix, National Marine Fisheries Service, 778 pp.

Calif. Dept. of Fish and Game (CDFG). 1995. *Fish species of special concern in California*. By Moyle, Yoshiyama, and Williams. Sacramento. 272 p.

PFMC (Pacific Fishery Management Council). 1999. Amendment 14 to the Pacific Coast Salmon Plan. Appendix A: Description and Identification of Essential Fish Habitat, Adverse Impacts and Recommended Conservation Measures for Salmon (August 1999).

PFMC (Pacific Fishery Management Council). 1998. Final Environmental

Assessment/Regulatory Review for Amendment 11 to the Pacific Coast Groundfish Fishery Management Plan (October 1998).

PFMC (Pacific Fishery Management Council). 1998. The Coastal Pelagic Species Fishery Management Plan: Amendment 8 (December 1998).

### **9842.3 Economically Sensitive Areas – Orange County**

The primary purpose of Section 9842.3 is to identify and incorporate into emergency response planning, the specific resources subject to injury or damages from an oil spill event. Subsection 9842.3 contains information that identifies through lists, tables, maps, and/or text, many of the economic resources that face potential damages due to an oil spill. Limitations of time, personnel, and the availability of information suggests that all resources of significant economic value and susceptible to marine oil spills, could not be identified at this time.

People involved with response planning recognize that throughout California marine waters, along the State's shoreline, and within coastal communities there are many resources of economic importance that could be severely impacted by an oil spill incident.

#### **Relation to Environmentally Sensitive Areas in Section 9842.1**

Section 9842.1 contains maps and site summary sheets with information about the environmental sensitivity of specific locations within the planning area. State and Federal law establish three priority levels for dedication of emergency oil spill response resources.

- First Priority - Protection of human health and safety
- Second Priority - Protection of environmental resources
- Third Priority - Protection of economic resources

Examples of resources that will receive a first priority response (human health and safety) includes:

- power plant intake
- desalinization plants
- drinking water intakes
- other health/safety intakes
- public use areas at risk (e.g. fire department)
- (e.g. hazardous fumes)

Environmentally sensitive sites are designated as the second priority for oil spill response resources. Environmental sites are categorized in Section 9842.1 using a scale of A, B, and C. Sites ranked with an A are the most sensitive to an oil spill.

#### **Economically Sensitive Area Ranking**

Strictly economic resources are designated as the third priority for dedication of oil spill response resources, following human health and safety and environmental resources. The economic sites are ranked using a continuation of the environmental scale with D, E, and F categories. Economic resources that have a greater potential for long-term damages receive a higher rank or priority for emergency response.

Response planners recognize that marine resources can have environmental, economic, and cultural or historical importance, such as coastal parks or important fishing areas. In these cases, the higher environmental ranking would be used for response planning. The need to set priorities for protection will occur only when response equipment or resources are inadequate to handle a given spill volume.

The Area Contingency Plan is a planning document intended to assist oil spill response personnel during actual response activities and with pre-spill planning. The Unified Command requires flexibility in planning response activities. This flexibility is necessary to provide the most appropriate response to a given spill event.

### **Criteria for Priority Response and Types of Economic Resources**

The following criteria or definitions are used to categorize economic resources in terms of priority for response:

- D = Economic activities and resources which require high water quality for their operations or existence. Resources that fall into this category would face severe, long-term economic impacts from a spill. This category includes commercial fishing areas (also have environmental rank), aquaculture and mariculture areas, marine labs, salt pond intakes, aquarium water intakes, etc.
- E = Facilities, businesses, or resources which directly use coastal or bay waters within their economic activity and which are at risk of oiling from a spill in marine waters. The resources falling into this category would face significant disruption of their activity, but shorter term potential damages from oiling than resources in the "D" category. This category would include resources such as marinas, harbors, commercial piers, industrial intakes, and parks or recreational areas.
- F = This category contains marine associated facilities, businesses and resources. These resources would face economic impacts from a marine spill, but do not depend directly on marine water for their economic base. Resources in this category will tend to face less severe damages than those identified in categories D or E. This category includes economic resources such as waterfront hotels, restaurants, shops, and residential areas. (Note: residential sites would be evacuated to avoid health risks).

### **Types of Economically Significant Resources and Ranking**

Listed below are various types of significant economic resources potentially at risk from oiling and the appropriate response priority category.

aquaculture, mariculture (D)  
commercial fishing grounds or areas (D)  
aquariums, marine labs (D)  
facility intakes [not affecting public health] (D)  
parks, beaches, recreational areas (E)  
vessel or boat traffic areas: shipping lanes,  
harbor entrances, river mouths, bays, anchorages (E)  
marinas, houseboat areas (E)  
ferries and tour boats (E)  
port or harbor facilities (E)  
boat moorings, cargo piers, terminals, fishing piers (E)  
ship or boat repair shops (E)  
tourist, hotel, restaurant areas (F)  
waterfront residential areas (F)

## **Information About Sensitive Economic Resources**

Attached to Section 9842.3 are lists of sensitive economic areas or resources. Below is a description of the types of information that can be provided for each identified economic resource or facility. Some information is unavailable for specific resources identified within this section.

1. Resource or facility identification number (identification number not available)
2. Location of resource or facility
3. Brief description of the resource at risk
4. Contact names and numbers (24 hour access if available)
5. Priority response category

## **9842.3 Economically Sensitive Areas – Orange County Power Plants**

### **AES Huntington Beach**

21730 Newland St.  
Huntington Beach, CA 92646  
(714) 374-1401



### 9842.3 Economical Sites - Coastal

#### Newport Beach Dory Fishing Fleet

*Commercial Fishing Areas D*

McFadden Place

Operational Divison: OR-B 33.60814 117.92906

Newport Beach CA

Fishing fleet that launches from and sells their catch at the north side of the pier.

#### Huntington Harbor

*Vessel Traffic Areas E*

E. of Pacific Coast Highway

Operational Divison: OR-A 33.72558 118.07402

Huntington Beach CA

Harbor- residential harbor, marinas, launch ramps, fuel, dock, and restaurants. See following pages for economical sites within Huntington Harbor.

#### Newport Harbor

*Vessel Traffic Areas E*

N.E. of Balboa Ave.

Operational Divison: OR-B 33.5949 117.87973

Newport Beach CA

Harbor - residential and commercial piers, sport fishing charters, fuel docks, moorings, bait, tackle, marinas, boats, boat repair. See following pages for economical sites within Newport Harbor.

#### Dana Point Harbor

*Vessel Traffic Areas E*

Del Obispo and Island Way

Operational Divison: OR-E 33.45981 117.69482

Dana Point CA

Harbor - Marinas, sportfishing charters, fuel docks, bait, tackle, boat launch, and marine supplies. See following pages for economical sites within Dana Point Harbor.

#### Seal Beach

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-A 33.73836 118.10471

Seal Beach CA

Beach - day use.

#### Seal Beach Pier

*Parks, Beaches, Recreational Areas E*

1 Main St.

Operational Divison: OR-A 33.73995 118.10584

Seal Beach CA 90740

Pier - fishing and small restaurant.

#### Sunset Beach

*Parks, Beaches, Recreational Areas E*

W. of Pacific Ave.

Operational Divison: OR-A 33.7172 118.0718

Sunset Beach CA

#### Bolsa Chica State Beach

*Parks, Beaches, Recreational Areas E*

18000 block of Pacific Coast Highway

Operational Divison: OR-A 33.6956 118.04751

Huntington Beach CA

Beach - day use with parking fee.

#### Huntington Beach Pier

*Parks, Beaches, Recreational Areas E*

315 block of Pacific Coast Highway

Operational Divison: OR-A 33.65713 118.00193

Huntington Beach CA

Pier - fishing and restaurants.

### 9842.3 Economical Sites - Coastal

#### Huntington City Beach

315 block of Pacific Coast Highway

Huntington Beach CA

Beach - day use with parking fee.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.64831 117.98853

#### Huntington State Beach

22300 block of Pacific Coast Highway

Huntington Beach CA

Beach - day use with parking fee.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.63937 117.97374

#### Newport Beach

West of Ocean Front

Newport Beach CA

Beach - day use.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.62233 117.94301

#### Newport Beach Pier

McFadden Pl.

Newport Beach CA

Pier - fishing.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.60814 117.92906

#### Balboa Pier

Balboa CA

Pier - fishing.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.60111 117.89993

#### Corona Del Mar State Beach

Iris St. and Ocean Blvd.

Corona Del Mar CA

Beach - day use with fee.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-C 33.59454 117.87472

#### China Cove Beach

Ocean Blvd. and Fernleaf St.

Corona Del Mar CA

Beach - day use.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-C 33.59738 117.87874

#### Crystal Cove State Park

Pacific Coast Highway

Newport Coast CA

Beach and recreational park. Marine life refuge offshore.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-C 33.58282 117.84938

#### Laguna Canyon Beach

Laguna Canyon Rd. and Pacific Coast Highway

Laguna Beach CA

Beach - day use.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-D 33.54273 117.78555

### 9842.3 Economical Sites - Coastal

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#### **Aliso Beach County Park**

31131 S. Pacific Coast Highway  
Laguna Beach CA 92652  
Beach - day use.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-D 33.50989 117.75135

#### **Salt Creek Beach Park**

Ritz Carlton Dr.  
Dana Point CA  
Beach - day use.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-D 33.47709 117.71921

#### **Dana Strand Beach Park**

Selva Road  
Dana Point CA  
Beach - day use.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-D 33.4692 117.71548

#### **Doheny State Beach**

Del Obispo and Pacific Coast Highway  
Dana Point CA  
Beach - day use with fee.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.46372 117.68779

#### **Capistrano Beach Park**

35005 Beach Road  
Capo Beach CA 92675  
Beach - day use.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.45536 117.66827

#### **Poche Beach**

Camino Capistrano & Pacific Coast Highway  
Dana Point CA  
Beach - day use

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.44144 117.64474

#### **San Clemente City Beach**

Beach - day use.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.42727 117.62755

#### **San Clemente Pier**

Avenida Del Mar  
San Clemente CA  
Pier - fishing and restaurants.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.41969 117.62014

#### **San Clemente State Beach**

Avenida Calafia  
San Clemente CA  
Beach - day use and camping with fee.

*Parks, Beaches, Recreational Areas E*  
Operational Divison: OR-E 33.40697 117.60321

**9842.3   Economical Sites -   Coastal**

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**Calafia Beach**

Various entry points.

San Clemente                      CA

Beach - day use.

*Parks, Beaches, Recreational Areas   E*

Operational Divison: OR-E      33.40582    117.6038

### 9842.3 Economical Sites - Huntington Harbor

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#### **Sunset Aquatic Marina**

2901 Edinger Ave., A

Huntington Beach CA 92649

Berthing: 346

*Marinas/Houseboat Areas E*

Operational Divison: OR-A 33.7279 118.07534

(714) 592-2833

#### **Peter' Landing Marina**

16400 Pacific Coast Highway, Ste 108

Huntington Beach CA 92649

Berthing: 325

*Marinas/Houseboat Areas E*

Operational Divison: OR-A 33.72474 118.07727

(714) 840-1387

#### **Huntington Harbor Marina**

4283 Warner Ave.

Huntington Beach CA 92649

Berthing: 168

*Marinas/Houseboat Areas E*

Operational Divison: OR-A 33.712 118.05242

(714) 840-5545

### 9842.3 Economical Sites - Newport Harbor

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#### **Kerckhoff Marine Lab**

101 Dahlia Ave.  
Corona Del Mar CA 92625  
Research - aquaculture.

*Aquariums/Marine Labs D*

Operational Divison: OR-B 33.59735 117.87786  
(949) 675-2159

#### **Larson's Shipyard**

2717 W. Coast Highway  
Newport Beach CA 92663  
Berthing: 6. Vessel repair.

*Ship/Boat Repair E*

Operational Divison: OR-B  
(949) 646-5055

#### **Bayside Drive County Beach**

1401 Bayside Dr.  
Corona Del Mar CA 92640  
Beach - day use.

*Parks, Beaches, Recreational Areas E*

Operational Divison: OR-B 33.60411 117.88381

#### **Lido Yacht Anchorage**

101 Shipyard Way, #7  
Newport Beach CA 92660  
Berthing: 285

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61202 117.9258

#### **Ardell Marina, Inc.**

2101 W. Coast Highway  
Newport Beach CA 92663  
Berthing: 18

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61812 117.92  
(949) 624-1626

#### **Swales Anchorage**

2888 Bay Shore Dr.  
Newport Beach CA 92663  
Berthing: 56

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61591 117.90749  
(949) 548-1501

#### **DeAnza Bayside Marina**

300 E. Coast Highway  
Newport Beach CA 92660  
Berthing: 220

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61769 117.89975  
(949) 673-1331

#### **Bay Shore Marina**

2572 Bayshore Dr.  
Newport Beach CA 92660  
Berthing: 134

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61595 117.90099  
(949) 723-7781

#### **Balboa Marina**

201 E. Coast Highway  
Newport Beach CA 92663  
Berthing: 132

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.61592 117.90011  
(949) 723-7781



### 9842.3 Economical Sites - Newport Harbor

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**Balboa Yacht Basin**

829 Harbor Island Dr.

Newport Beach CA 92663

Berthing: 172

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61069 117.89468  
(949) 673-1761**Newport Dunes Marina**

101 N. Bayside Dr.

Newport Beach CA 92660

Berthing: 430

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61572 117.89098  
(949) 729-1100**Villa Cove Marina**

1099 Bayside Dr.

Newport Beach CA 92660

Berthing: 42

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61054 117.89053  
(949) 723-7781**Bayside Marina**

1137 Bayside Dr.

Corona Del Mar CA 92625

Berthing: 97

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61091 117.89012  
(949) 723-7781**Port Calypso Marina**

2633 W. Coast Highway

Newport Beach CA 92663

Berthing: 45

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61909 117.92184  
(949) 645-6900**Balboa Yacht Club**

1801 Bayside Dr.

Corona Del Mar CA 92640

Berthing: 70

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.6045 117.88419  
(949) 673-3515**Vikings Port**

2547 W. Coast Highway

Newport Beach CA 92663

Berthing: 10

*Marinas/Houseboat Areas E*Operational Divison: OR-B 33.61962 117.9221  
(949) 548-1202**Harbor Club Marina**

3335 W. Coast Highway

Newport Beach CA 92663

Berthing: 62

*Marinas/Houseboat Areas E*

Operational Divison: OR-B 33.62095 117.92834

**28th Street Marina**

2602 Newport Blvd.

Newport Beach CA 92663

Berthing: 20

*Marinas/Houseboat Areas E*Operational Divison: OR-B  
(949) 673-3777

### 9842.3 Economical Sites - Newport Harbor

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**American Legion***Marinas/Houseboat Areas E*

215 15th Street

Operational Divison: OR-B

Newport Beach CA 92663

(949) 673-5070

Berthing: 48

**Balboa Bay Club***Marinas/Houseboat Areas E*

1221 W. Coast Highway

Operational Divison: OR-B

Newport Beach CA 92663

(949) 645-5000

Berthing: 135

**Balboa Fun Zone Marina***Marinas/Houseboat Areas E*

610 E. Edgewater

Operational Divison: OR-B

Newport Beach CA 92661

(949) 675-2258

Berthing: 22

**Lido Dry Stack***Marinas/Houseboat Areas E*

101 Shipyard Way, Suite G

Operational Divison: OR-B

Newport Beach CA 92660

(949) 673-9330

Berthing: 264

**Bongos Marina***Marinas/Houseboat Areas E*

2130 Newport Blvd.

Operational Divison: OR-B

Newport Beach CA 92663

(949) 673-2810

Berthing: 10

**Newport Marina***Marinas/Houseboat Areas E*

919 Bayside Drive

Operational Divison: OR-B

Newport Beach CA 92660

(949) 760-0919

Berthing: 34

**Sea Enterprises***Marinas/Houseboat Areas E*

632 31st St.

Operational Divison: OR-B

Newport Beach CA 92663

(949) 675-4639

Berthing: 6

**Vista Del Lido***Marinas/Houseboat Areas E*

611 Lido Park Dr.

Operational Divison: OR-B

Newport Beach CA 92663

(949) 675-6244

Berthing: 14

### 9842.3 Economical Sites - Dana Point Harbor

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#### **Ocean Institute**

*Aquariums/Marine Labs* **D**

24200 Dana Point Harbor Dr.

Operational Divison: OR-E 33.46195 117.70704

Dana Point CA 92629

Research and education center.

#### **Dana Point West Marina**

*Marinas/Houseboat Areas* **E**

24500 Dana Point Harbor Dr.

Operational Divison: OR-E 33.46233 117.70005

Dana Point CA 92629

Berthing: 982

#### **Dana Point Marina Co.**

*Marinas/Houseboat Areas* **E**

34555 Casitas Place

Operational Divison: OR-E 33.46128 117.69593

Dana Point CA 92629

Berthing: 1500

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